

# BCM RPPA Core Validated Antibody List 2022

All antibodies are validated and against human protein targets.

No.	DESCRIPTION	Ab ID	Company	Host	Gene Symbol	Swiss-Prot Acc	Species x-reactivity
1	14-3-3 zeta, gamma, eta	1	EMD Millipore (Upstate)	Rabbit	YWHAZ	P63104	H M R Bovine
2	Akt	2	CST	Rabbit	AKT1, AKT2, AKT3	Q9Y243, P31751, P31749	H M R Hm Mk C Dm B Pg GP (Dg)
3	Akt (Ser473)	3	CST	Rabbit	AKT1, AKT2, AKT3	P31749	H M R Pg Hm B Dm Dg (Mk C Hr X)
4	Akt (Thr308)	4	CST	Rabbit	AKT1, AKT2, AKT3	P31749	H M R
5	Aldehyde Dehydrogenase (ALDH)	5	BD Biosciences	Mouse	ALDH1A1	P00352	H
6	ALK (D5F3) XP®	7	CST	Rabbit	ALK	Q9UM73	H
7	ALK (Tyr1586) (3B4)	8	CST	Rabbit	ALK	Q9UM73	H
8	ALK (Tyr1604)	9	CST	Rabbit	ALK	Q9UM73	H
9	AMPKα (Thr172) (40H9)	11	CST	Rabbit	PRKAA1, PRKAA2	Q13131, P54646	H M R Hm Mk Dm Sc (C) (Z) (B) (Pg)
10	AMPKα1 (Ser485)	12	CST	Rabbit	PRKAA1	Q13131	H M R Mk (C)
11	AMPKβ1 (Ser108)	13	CST	Rabbit	PRKAB1	Q9Y478	H M R Mk
12	Annexin_I	15	Invitrogen	Rabbit	ANXA1	P04083	H M R
13	ATM	18	Abcam	Rabbit	ATM	Q13315	H
14	ATR	20	CST	Rabbit	ATR	Q13535	H M R Hm Mk (B) (Dg)
15	ATR (Ser428)	21	CST	Rabbit	ATR	Q13535	H M R Mk
16	Aurora A (Thr288)/Aurora B (Thr232)/Aurora C (Thr198) (D13A11) XP®	22	CST	Rabbit	AURKA, AURKB, AURKC	Q9UQB9, Q96GD4, O14965	H M R
17	Aurora A/AIK	23	CST	Rabbit	AURKA	Q9UQB9	H Mk
18	Axl (Tyr702) (D12B2)	25	CST	Rabbit	AXL	P30530	H (M) (R)
19	Bad	26	CST	Rabbit	BAD	Q92934	H M R Mk
20	Bad (Ser112)	27	CST	Rabbit	BAD	Q92934	H M R Mk
21	Bad (Ser136)	28	CST	Rabbit	BAD	Q92934	M (H) (R)
22	Bad (Ser155)	29	CST	Rabbit	BAD	Q92934	M (H) (R)
23	Bak	30	CST	Rabbit	BAK1	Q16611	H M R Mk
24	Bax	31	CST	Rabbit	BAX	Q07812	H M R Mk
25	Bcl-2 (Ser70) (5H2)	33	CST	Rabbit	BCL2	P10415	H
26	Bcl-2 (Thr56) (Human Specific)	34	CST	Rabbit	BCL2	P10415	H
27	Bcl-xL	35	CST	Rabbit	BCL2L1	Q07817	H M R Mk
28	BRCA1	36	EMD Millipore (Upstate)	Rabbit	BRCA1	P38398	H
29	BRCA2	37	CST	Rabbit	BRCA2	P51587	H M B
30	Cadherin-E (24E10)	38	CST	Rabbit	CDH1	P12830	H M (Dg) (Pg)
31	Cadherin-N	39	CST	Rabbit	CDH2	P19022	H M R Mk (Dg)
32	Caspase-3; Caspase-3 (D3R6Y)	41	CST	Rabbit	CASP3	P42574	H M R Mk
33	Phospho-Beta-Catenin (Ser33/37/Thr41)	42	CST	Rabbit	CTNNB1	P35222	H M R Mk (C) (X) (Z) (B) (Dg) (Pg)
34	Caveolin-1 (D46G3) XP®	43	CST	Rabbit	CAV1	Q03135	H M R Hm Mk B Dg
35	Caveolin-1 (Y14) (EPR2288Y)	44	Abcam-Epitomics	Rabbit	CAV1	Q03135	H M R
36	CD24 (FL-80)	45	SantaCruz	Rabbit	CD24	P25063	H M R
37	Chk1 (Ser345)	48	CST	Rabbit	CHEK1	O14757	H M R Mk
38	Chk2 (1C12)	49	CST	Mouse	CHEK2	O96017	H Mk
39	Chk2 (Ser33/35)	50	CST	Rabbit	CHEK2	O96017	H Mk
40	Claudin-1	52	CST	Rabbit	CLDN1	O95832	H (M) (R)
41	c-Met	54	Abcam	Rabbit	MET	P08581	H
42	c-Myc (phospho T58)	56	Abcam	Rabbit	MYC	P01106	H (M)
43	Cox-2	57	BD Biosciences	Mouse	PTGS2	P00403	(H) M (Ch)
44	DKK1	60	CST	Rabbit	DKK1	O94907	H
45	EGF Receptor (D38B1) XP®	61	CST	Rabbit	EGFR	P00533	H M Mk
46	EGF Receptor (L858R Mutant Specific) (43B2)	62	CST	Rabbit	EGFR	P00533	H
47	EGF Receptor (Ser1046/1047)	63	CST	Rabbit	EGFR	P00533	H M R

48	EGF Receptor (Tyr1045)	64	CST	Rabbit	EGFR	P00533	H R
49	EGF Receptor (Tyr1148)	65	CST	Rabbit	EGFR	P00533	H Mk (R)
50	EGF Receptor (Tyr1173)	66	Invitrogen (BioSource)	Rabbit	EGFR	P00533	H
51	EGF Receptor (Tyr1173) (53A5)	67	CST	Rabbit	EGFR	P00533	H M R
52	EGF Receptor(Tyr1068) (D7A5) XP®	68	CST	Rabbit	EGFR	P00533	H M R Mk
53	Ezh2 (D2C9) XP®	69	CST	Rabbit	EZH2	Q15910	H M R Mk
54	FGF Receptor 1 (D8E4) XP®	70	CST	Rabbit	FGFR1	P11362	H M R Mk
55	FoxO1 (C29H4)	72	CST	Rabbit	FOXO1	Q12778	H M R Mk
56	FSP1/S100A4	73	EMD Millipore	Rabbit	S100A4	P26447	H M
57	HER2/ErbB2 (Tyr1248)	77	CST	Rabbit	ERBB2	P04626	H (M) (R)
58	HER2/ErbB2 (Y877)	78	Imgenex/Novus Biologicals	Rabbit	ERBB2	P04626	H M R
59	HER3/ErbB3 (1B2E)	79	CST	Rabbit	ERBB3	P21860	H (M) (R)
60	HER3/ErbB3 (Tyr1197) (C56E4)	80	CST	Rabbit	ERBB3	P21860	H (M) (R)
61	Histone Deacetylase 1 (HDAC1)	82	CST	Rabbit	HDAC1	Q13547	H M R Mk
62	Histone Deacetylase 3 (HDAC3)	83	CST	Rabbit	HDAC3	O15379	H M R Mk
63	Histone Deacetylase 4 (HDAC4)	84	CST	Rabbit	HDAC4	P56524	H M R Mk
64	Histone Deacetylase 6 (HDAC6)	85	SantaCruz	Rabbit	HDAC6	Q9UBN7	H
65	IkappaB-alpha (S32/36) (39A1431)	86	BD Biosciences	Mouse	NFKBIA	P25963	H
66	ILK1	87	CST	Rabbit	ILK	Q13418	H M R Mk B
67	Jak1 (Tyr1022/1023)	88	CST	Rabbit	JAK1	P23458	H M (R) (B)
68	Kit-c	89	Abcam	Rabbit	KIT	P10721	H
69	Lipocalin-1 (H-45)	91	SantaCruz	Rabbit	LCN1	P31025	H
70	LRP6 (C5C7)	92	CST	Rabbit	LRP6	O75581	H R
71	MEK1	93	Abcam-Epitomics	Rabbit	MAP2K1	Q02750	H
72	MEK1/2 (Ser217/221)	94	CST	Rabbit	MAP2K1, MAP2K2	Q02750, P36507	H M R Mk Sc (C)
73	Met (Tyr1234/1235) (D26) XP®	95	CST	Rabbit	MET	P08581	H M R
74	MMP-9	96	CST	Rabbit	MMP9	P14780	H (R)
75	mTOR	97	CST	Rabbit	MTOR	P42345	H M R Mk
76	mTOR (Ser2448) (D9C2) XP®	98	CST	Rabbit	MTOR	P42345	H M Mk (R)
77	Notch1 (C44H11)	101	CST	Rabbit	NOTCH1	P46531	H (M) (R)
78	p27 (Thr187)	105	Invitrogen (Zymed)	Rabbit	CDKN1B	P46527	H
79	p27 KIP1 (T198)	106	Abcam	Rabbit	CDKN1B	P46527	H M
80	p27 KIP1(C-term)	107	Abcam-Epitomics	Rabbit	CDKN1B	P46527	H M R
81	p38 MAPK	109	CST	Rabbit	MAPK14, MAPK11, MAPK12	P53778, Q15759, Q16539	H M R Mk GP (C)
82	p38 MAPK (Thr180/Tyr182) (D3F9) XP®	111	CST	Rabbit	MAPK14, MAPK11, MAPK12, MAPK13	O15264, P53778, Q15759, Q16539	H M R Mk Pg Sc (Hm) (C) (Z) (B)
83	p44/42 MAPK (Erk1/2)	112	CST	Rabbit	MAPK1, MAPK3	P27361, P28482, P27361, P28482	H M R Hm Mk Mi Z B Pg Sc
84	p44/42 MAPK (Erk1/2) (Thr202/Tyr204) (197G2)	113	CST	Rabbit	MAPK1, MAPK3	P27361, P28482, P27361, P28482	H M R Mk Mi Dm Z Pg
85	p53	114	CST	Rabbit	TP53	P04637	H R Mk
86	p53 (Ser15)	115	CST	Rabbit	TP53	P04637	H M R Mk
87	p70 S6 Kinase	116	CST	Rabbit	RPS6KB1	P23443	H M R Mk
88	p70 S6 Kinase (Ser371)	117	CST	Rabbit	RPS6KB1	P23443	H M R Mk

89	p70 S6 Kinase (T389)	118	CST	Rabbit	RPS6KB1	P23443	H M R Mk
90	PDGF Receptor $\alpha$ (Tyr754) (23B2)	121	CST	Rabbit	PDGFRA	P16234	H M (R)
91	PDGF Receptor $\beta$ (28E1)	122	CST	Rabbit	PDGFRB	P09619	H M R
92	PDGF Receptor $\beta$ (Tyr751)	124	CST	Rabbit	PDGFRB	P09619	H M R
93	PKD1 (Ser241)	125	CST	Rabbit	PKD1	O15530	H M R
94	PIAS1 (D33A7) XP <sup>®</sup>	128	CST	Rabbit	PIAS1	O75925	H M R Mk
95	PTEN (D4.3) XP <sup>®</sup>	129	CST	Rabbit	PTEN	P60484	H M R Mk Dg (C)
96	PTEN (Ser380)	130	CST	Rabbit	PTEN	P60484	H M R (C)
97	Raf-B (Ser445)	132	CST	Rabbit	BRAF	P15056	H M R Mk (C) (Dg)
98	RANKL	133	Novus	Rabbit	TNFSF11	O14788	H
99	Ret (Tyr905)	134	CST	Rabbit	RET	P07949	H Dm
100	S100A7 calcium binding protein	135	Abnova	Mouse	S100A7	P31151	H
101	Serpin A1(EPSISR16)	136	Abcam-Epitomics	Rabbit	SERPINA1	P01009	H M R
102	Slug (C19G7)	137	CST	Rabbit	SNAI2	O43623	H M
103	Smad2 (Ser465/467)	140	CST	Rabbit	SMAD2	Q15796	H M R (C) (X) (Z)
104	SOCS1 (A156)	144	CST	Rabbit	SOCS1	O15524	H M R Mk (Dg)
105	SOCS3	145	CST	Rabbit	SOCS3	O14543	H M R
106	Sox2 (D6D9) XP <sup>®</sup>	146	CST	Rabbit	SOX2	P48431	H (Mk) (B) (Dg) (Hr)
107	Src (Tyr527)	147	CST	Rabbit	SRC	P12931	H M R (C)
108	Stat1	149	CST	Rabbit	STAT1	P42224	H M R Mk (B) (Dg)
109	Stat2 (Tyr690)	151	CST	Rabbit	STAT2	P52630	H (R) (B)
110	Stat3 (Ser727)	153	CST	Rabbit	STAT3	P40763	H M R (Hm) (Mk) (B) (Dg) (Pg) (Hr)
111	Stat4 (Tyr693)	155	CST	Rabbit	STAT4	Q14765	H (M) (R)
112	Stat5 (Tyr694)	157	CST	Rabbit	STAT5A	P42229	H M (R) (B)
113	Stat6	158	CST	Rabbit	STAT6	P42226	H M R (B)
114	Stat6 (Tyr641)	159	CST	Rabbit	STAT6	P42226	H (B)
115	Tuberin/TSC2 (Thr1462)	164	CST	Rabbit	TSC2	P49815	H M (R)
116	TWIST (Twist2C1a)	165	SantaCruz	Mouse	TWIST1	Q15672	H M R
117	Vimentin (D21H3) XP <sup>®</sup>	166	CST	Rabbit	VIM	P08670	H M R Mk
118	Wnt5a/b (C27E8)	167	CST	Rabbit	WNT5A, WNT5B	P41221, Q9H1J9	H M
119	YAP(H125)	169	Santa Cruz	Rabbit	YAP1	P46937	H M R
120	ZO-1	170	CST	Rabbit	TJP1	Q07157	H Mk
121	Cleaved Caspase-7	171	CST	Rabbit	CASP7	P55210	H M R Mk
122	VEGF Receptor2 (55B11)	173	CST	Rabbit	KDR	P35968	H M
123	Stat5a (L-20)	174	Santa Cruz	Rabbit	STAT5A	P42229	H M R Equine, canine
124	SOX9*	178	EMD Millipore (Upstate)	Rabbit	SOX9	P48436	H M R
125	SAPK/JNK (T183/Y185)(81E11)	179	CST	Rabbit	MAPK8	P45983	H M R Dm Sc
126	ZEB1	180	Novus	Rabbit	ZEB1	P37275	H M
127	PHF8 antibody (pAb)	185	Active Motif	Rabbit	PHF8	Q9UPP1	H
128	SRC-3 clone 1208/D1	190	BCM-Mab	Mouse	NCOA3	Q9Y6Q9	N/A
129	SRC-1 (clone 1135/H4, 1136/H4H6)	193	BCM-Mab	Mouse	NCOA1	Q15788	N/A
130	Total PR(MouseMab 1294)	194	Celetta	Mouse	PGR	P06401	N/A
131	ASH2 Rabbit	198	Bethyl Laboratories	Rabbit	ASH2L	Q9UBL3	H
132	CBP (A-22)	200	Santa Cruz	Rabbit	CREBBP	Q92793	H M R
133	c-Fos (9F6 ) Rabbit mAb	201	CST	Rabbit	FOS	P01100	H M R
134	CHAF1A (D77D5) XP Rabbit mAb	202	CST	Rabbit	CHAF1A	Q13111	H M
135	c-Jun (60A8) Rabbit mAb	203	CST	Rabbit	JUN	P05412	H M R Mk
136	CRSP1/TRAP220	204	Bethyl Laboratories	Rabbit	MED1	Q15648	H M
137	CtBP2	205	CST	Rabbit	CTBP2	P56545	H M R Mk
138	Cyclin C (T-19)	206	Santa Cruz	Rabbit	CCNC	P24863	H M R
139	DRIP130	207	AbCam	Rabbit	MED23	Q9ULK4	Mouse, Rabbit, Dog, Rhesus monkey, Gorilla, Bat
140	FoxK2 Antibody	209	CST	Rabbit	FOXK2	Q01167	H M

141	KLF4 (D1F2) Rabbit mAb	211	CST	Rabbit	KLF4	O43474	H
142	MED12	212	AbCam	Rabbit	MED12	Q93074	H M
143	p300 (C-20)	215	Santa Cruz	Rabbit	EP300	Q09472	H M R
144	Phospho-c-Fos (Ser32) (D82C12) XP Rabbit mAb	216	CST	Rabbit	FOS	P01100	H M R
145	PPP1R10 [EPR11706]	217	AbCam	Rabbit	PPP1R10	Q96QC0	H
146	Stat3 (D3Z2G) Rabbit mAb	218	CST	Rabbit	STAT3	P40763	H M R Mk
147	TRAP220/MED1 (phospho T1457)	220	AbCam	Rabbit	MED1	Q15648	Mouse, Human, African Green Monkey
148	HIF-2A (D9E3) Rabbit mAb	221	CST	Rabbit	EPAS1	Q99814	H
149	Phospho-c-Jun (Ser63) II Ab	223	CST	Rabbit	JUN	P05412	H M R Mk Pg
150	Sin3b	225	AbCam	Rabbit	SIN3B	O75182	Mouse, Rat
151	Phospho-Rb (Ser807/811)	237	CST	Rabbit	RB1	P06400	H, R, Mk, (M)
152	Phospho-Rb (Ser780) (C84F6)	238	CST	Rabbit	RB1	P06400	H, M, R, Mk, (Pg)
153	Phospho-FAK (Tyr576/577)	261	CST	Rabbit	PTK2	Q05397	H M R (Ck) (X)
154	AR441 Mab	264	BCM	Mouse	AR	P10275	N/A
155	Ki67	265	Vector Laboratories	Rabbit	MKI67	P46013	H
156	Integrin $\alpha$ 4 (D2E1) XP <sup>®</sup> Rabbit mAb	266	CST	Rabbit	ITGA4	P13612	H, M, R
157	Integrin $\alpha$ 5 Antibody	267	CST	Rabbit	ITGA5	P08648	H, M, Mk
158	Integrin $\alpha$ V Antibody	268	CST	Rabbit	ITGAV	P06756	H, R
159	Integrin $\beta$ 1 (D2E5) Rabbit mAb	269	CST	Rabbit	ITGB1	P05556	H
160	Integrin $\beta$ 3 (D7X3P) XP <sup>®</sup> Rabbit mAb	270	CST	Rabbit	ITGB3	P05106	H, M
161	Integrin $\beta$ 4 Antibody	271	CST	Rabbit	ITGB4	P16144	H
162	PI3 Kinase p85 Antibody	286	CST	Rabbit	PIK3R1,	P27986,	H, M, R
163	AMPKa (23A3) Rabbit mAb	287	CST	Rabbit	PRKAA1, PRKAA2	Q13131, P54646	H, M, R, Mk
164	PI3 Kinase p110 $\alpha$ (C73F8) Rabbit mAb	288	CST	Rabbit	PIK3CA	P42336	H, M, R, B
165	Estrogen Receptor (SP1)	295	Thermo	Rabbit	ESR1	P03372	H M Hm
166	p21 Waf1/Cip1 (12D1)	301	CST	Rabbit	CDKN1A	P38936	H, Mk, (Dg)
167	Atg12 (D88H11) Rabbit mAb	304	CST	Rabbit	ATG12	O94817	H, M, R, Mk
168	Beclin-1 (D40C5) Rabbit mAb	305	CST	Rabbit	BECN1	Q14457	H, M, R, Mk
169	Cleaved Caspase-3 (Asp175) Antibody	306	CST	Rabbit	CASP3	P42574	H, M, R, Mk, (B, Dg, Pg)
170	Beta-Catenin Rabbit (CT)	307	Invitrogen	Rabbit	CTNNB1	P35222	H,M,R,C, X
171	IGF-IR (3B7)	309	Santa Cruz	Mouse	IGF1R	P08069	H
172	Laminin-5 (gamma2 chain), clone D4B5	311	EMD Millipore	Mouse	LAMC2	Q13753	H
173	Atg3	312	CST	Rabbit	ATG3	Q9NT62	H,M,R, Mk, (C,B,X,Dg)
174	Atg7	314	CST	Rabbit	ATG7	Q95352	H,M,R, (Mk, B)
175	LC3A (D50G8) XP	315	CST	Rabbit	MAP1LC3A	Q9H492	H,M,R, (Mk, Dg)
176	LC3B (D11) XP	316	CST	Rabbit	MAP1LC3B	Q9GZQ8	H,M,R, (Mk, B, Pg)
177	EGF Receptor (Tyr845)	318	CST	Rabbit	EGFR	P00533	H,M,R
178	EGF Receptor (Tyr992)	319	CST	Rabbit	EGFR	P00533	H, ( R )
179	Aromatase-A Clone 677H7F10	320	BCM-Mab	Mouse	CYP19A1	P11511	H
180	ErbB2/HER2 (Y1248)	322	Imgenex	Rabbit	ERBB2	P04626	Human, Mouse, Rat
181	HER2/c-ErbB2	323	Dako	Rabbit	ERBB2	P04626	N/A
182	Phospho-Shc (Tyr317) Antibody	325	CST	Rabbit	SHC1	P29353	H, M
183	Steroid-5-alpha-reductase 1 (SRD5A1)	326	Novusbio	Rabbit	SRD5A1	P18405	H
184	Monoclonal Anti-AOX1, clone AO15	327	Sigma-Aldrich	Mouse	AOX1	Q06278	H
185	Fatty Acid Synthase Antibody	328	CST	Rabbit	FAS	P25445	H, M
186	Hexokinase II (C64G5) Rabbit mAb	329	CST	Rabbit	HK2	P52789	H,M,R,Mk

187	Anti-PFKFB3 antibody-C-terminal	331	Abcam	Rabbit	PFKFB1, PFKFB2, PFKFB3, PFKFB4	P16118, O60825, Q16875, Q16877	H,M
188	Anti-RRM2 antibody [EPR11820]	332	Abcam	Rabbit	RRM2	P31350	H
189	Phospho-Stat1 (Tyr701) (D4A7)	334	CST	Rabbit	STAT1	P42224	H,M,R, (Mk)
190	GLDC	337	CST	Rabbit	GLDC	P23378	H,M,R, Mk
191	KGA-Specific GLS1	338	Proteintech	Rabbit	GLS	O94925	H,M,R
192	LDHA	339	CST	Rabbit	LDHA	P00338	H,M,R,Mk
193	PHGDH	340	CST	Rabbit	PHGDH	O43175	H,M,R
194	PKM2	341	Bethyl	Rabbit	PKM	P14618	H,M
195	PKM1/2 (C103A3)	342	CST	Rabbit	PKM	P14618	H,M,R,Mk
196	FBXO11 --same as #208	345	Abcam	Rabbit	FBXO11	Q86XK2	H, (M, R)
197	FAK (pY397)	349	CST	Rabbit	PTK2	Q05397	H,M,R,Pg, Hm
198	Aldehyde Dehydrogenase 2 (ALDH2)	351	Abcam	Rabbit	ALDH2	P0509	H, M, R
199	IDH1 (D2H1) Rabbit mAb	352	CST	Rabbit	IDH1	O75874	H,M,R,Mk
200	SCD1 (M38) Antibody	353	CST	Rabbit	SCD1	O00767	H,M
201	p-ATM (Ser1981) (10H11.E12)	355	CST	Rabbit	ATM	Q13315	H
202	Axl (C89E7) Rabbit mAb	356	CST	Rabbit	Axl	P30530	H, Mk
203	BCL2 Oncoprotein Clone 124	357	CST	Rabbit	BCL	P10415	H
204	c-myc clone(1123)	359	CST	Rabbit	MYC	P01106	H,M,R,Mk
205	c-Src(B-12)	361	Santa Cruz	Rabbit	FYN, SRC, YES1	P06241, P12931, P07947	H,M,R
206	GATA-3 (D13C9) XP® Rabbit mAb	362	CST	Rabbit	GATA3	P23771	H,M
207	GSK-3 $\alpha$ / $\beta$ (0011-A)	363	CST	Rabbit	GSK3A, GSK3B	P49840, P49841	H,M,R,Mk,Z
208	HER2/c-ErbB2 P185 (e2-4001)	364	CST	Rabbit	ERBB2	P04626	H,M
209	HIF-1 $\alpha$ (54)	365	CST	Rabbit	HIF1A	Q16665	H,M,R,Mk
210	RB1 Antibody (NB100-91947)	366	Novus	Rabbit	RB1	P06400	H,M,R
211	NCOA2 (src-2 (TIF2)	368	Novus	Rabbit	NCOA2	Q15596	H,Rt,Po
212	IKK $\alpha$ (3G12) Mouse mAb	369	CST	Mouse	CHUK	O15111	H,Mk
213	IKK $\beta$ (D30C6) Rabbit mAb	370	CST	Rabbit	IKKBK	O14920	H,M,R,Mk
214	Phospho-IKK $\alpha$ / $\beta$ (Ser176/180) (16A6) Rabbit mAb	371	CST	Rabbit	CHUK	O15111	H, M, R, Mk, (B)
215	NF-kB p65 (D14E12) XP® Rabbit mAb	372	CST	Rabbit	RELA	Q04206	H M R Hm Mk Dg
216	Phospho-NF-kB p65 (Ser536) (93H1) Rabbit mAb	373	CST	Rabbit	RELA	Q04206	H M R hm Mk Pg
217	I $\kappa$ B $\alpha$ (L35A5) Mouse mAb (Amino-terminal Antigen)	374	CST	Mouse	NFKBIA	P25963	H, M, R, Mk, Pg, B, GP Guinea Pig
218	Phospho-I $\kappa$ B- $\alpha$ (Ser32) (14D4) Rabbit mAb	375	CST	Rabbit	NFKBIA	P25963	H, M, R, Mk
219	DNA-PKcs	378	CST	Rabbit	PRKDC	P78527	H
220	MEK6 [EP557Y]	379	Abcam	Rabbit	MAP2K6	P52564	H, M, R
221	PRAS40 (D23C7) mAb	426	CST	Rabbit	AKT1S1; Lobe; PRAS40	Q96B36	H, M, Rat, Mk
222	Phospho-PRAS40 (Thr246) (C77D7) mAb	427	CST	Rabbit	AKT1S1; Lobe; PRAS40	Q96B36	H, M
223	Phospho-PRAS40 (Ser183) Antibody	428	CST	Rabbit	AKT1S1; Lobe; PRAS40	Q96B36	H, M
224	G $\beta$ L (86B8) mAb [mLST8]	429	CST	Rabbit	MLST8; GBL; LST8; POP3; WAT1; GbetaL	Q9BVC4	H, M, Rat, Mk
225	ULK1 (D8H5) mAb	430	CST	Rabbit	ULK1; ATG1; ATG1A; UNC51; hATG1; Unc51.1	O75385	H, M, Rat
226	Phospho-ULK1 (Ser757) (D7O6U) mAb	431	CST	Rabbit	ULK1; ATG1; ATG1A; UNC51; hATG1; Unc51.1	O75385	H, M, Rat
227	Phospho-mTOR (Ser2481) Antibody	432	CST	Rabbit	MTOR; SKS; FRAP; FRAP1; FRAP2; RAFT1; RAP1	P42345	H, M, Rat, Mk

228	4E-BP1 (53H11) mAb	433	CST	Rabbit	EIF4EBP1; BP-1; 4EBP1; 4E-BP1;	Q13541	H, M
229	Phospho-4E-BP1 (Thr37/46) (236B4) mAb	434	CST	Rabbit	EIF4EBP1; BP-1; 4EBP1; 4E-BP1; PHAS-I	Q13541	H, M
230	Raptor (24C12) mAb	435	CST	Rabbit	RPTOR; KOG1; Mip1	Q8N122	H, M, Rat, Mk
231	Phospho-Raptor (Ser792) Antibody	436	CST	Rabbit	RPTOR; KOG1; Mip1	Q8N122	H, M
232	DEPTOR/DEPDC6 (D9F5) mAb	437	CST	Rabbit	DEPTOR; DEP.6; DEPDC6	Q8TB45	H, Rat, Mk
233	p62 SQSTM	438	CST	Rabbit	SQSTM1; p60; p62; A170; DMRV; OSIL; PDB3; ZIP3; p62B;	Q13501	H, Mk
234	AMPK $\beta$ 1	469	CST	Rabbit	PRKAB1	Q9Y478	H M R Hm Mk Pg
235	Chk1	470	Novus	Rabbit	CHEK1	O14757	H, M
236	Jak1	471	Novus	Rabbit	Jak1	P23458	H, M, Rat
237	Anti-PDK1 antibody [EPR19573]	472	Abcam	Rabbit	PDK1	O15530	H, M, Rat
238	B-Raf	473	CST	Rabbit	BRAF	P15056	H M R Mk
239	Ret	474	CST	Rabbit	RET	P07949	H, M
240	Smad2	475	CST	Rabbit	SMAD2	Q15796	H Mk
241	STAT4	477	CST	Rabbit	STAT4	Q14765	H M R
242	TSC2	478	MyBioSource.com	Rabbit	TSC2	P49815	H, M, Rat
243	JNK	480	CST	Rabbit	JNK	P45983	H M R Hm Mk Z B Sc
244	STAT2	484	ThermoFisher	Rabbit	STAT2	P52630	H, M, Rat