

Table S7.4. List of Antibodies used for sample profiling by RPPA

Full Slide Name (Antibody Name + Slide ID)	Protein Name Name	Gene Name	Antibody Validation Status	Antibody Origin	Antibody Source (Company)	Catalog Number
14-3-3_beta-R-V	14-3-3_beta	YWHA	Validated	Rabbit	Santa Cruz	sc-628
14-3-3_epsilon-M-C	14-3-3_epsilon	YWHA	Use with Caution	Mouse	Santa Cruz	sc-23957
14-3-3_zeta-R-V	14-3-3_zeta	YWHA	Validated	Rabbit	Santa Cruz	sc-1019
4E-BP1-R-V	4E-BP1	EIF4EBP1	Validated	Rabbit	CST	9452
4E-BP1_pS65-R-V	4E-BP1_pS65	EIF4EBP1	Validated	Rabbit	CST	9456
4E-BP1_pT37_T46-R-V	4E-BP1_pT37_T46	EIF4EBP1	Validated	Rabbit	CST	9459
4E-BP1_pT70-R-V	4E-BP1_pT70	EIF4EBP1	Validated	Rabbit	CST	9455
53BP1-R-E	53BP1	TP53BP1	Under Evaluation	Rabbit	CST	4937
A-Raf_pS299-R-C	A-Raf_pS299	ARAF	Use with Caution	Rabbit	CST	4431
ACC_pS79-R-V	ACC_pS79	ACACA ACACB	Validated	Rabbit	CST	3661
ACC1-R-E	ACC1	ACACA	Under Evaluation	Rabbit	Epitomics	1768-1
Acetyl-a-Tubulin (Lys40)-R-C	Acetyl-a-Tubulin (Lys40)	TUBA1B	Use with Caution	Rabbit	CST	5335
ACVRL1-R-C	ACVRL1	ACVRL1	Use with Caution	Rabbit	Epitomics	2940-1
ADAR1-R-V	ADAR1	ADAR	Validated	Rabbit	Abcam	ab88574
Akt-R-V	Akt	AKT1 AKT2 AKT3	Validated	Rabbit	CST	9272
Akt_pS473-R-V	Akt_pS473	AKT1 AKT2 AKT3	Validated	Rabbit	CST	9271
Akt_pT308-R-V	Akt_pT308	AKT1 AKT2 AKT3	Validated	Rabbit	CST	9275
alpha-Catenin-M-V	alpha-Catenin	CTNBN1	Validated	Mouse	Calbiochem	CA1030
AMPK_alpha-R-C	AMPK_alpha	PRKAA1	Use with Caution	Rabbit	CST	2532
AMPK_pT172-R-V	AMPK_pT172	PRKAA1	Validated	Rabbit	CST	2535
Annexin 1-M-E	Annexin 1	ANXA1	Validated	Mouse	BD Transduction	610066
Annexin_VII-M-V	Annexin_VII	ANXA7	Validated	Mouse	BD Biosciences	610668
AR-R-V	AR	AR	Validated	Rabbit	Epitomics	1852-1
Di-Ras3-M-E	Di-Ras3	ARHI	Use with Caution	Mouse	MDACC Laboratory	Dr. Bast Lab
ASNS-R-V	ASNS	ASNS	Validated	Rabbit	Sigma	HPA029318
ATM-R-E	ATM	ATM	Validated	Rabbit	Abcam	ab32420
B-Raf-M-C	B-Raf	BRAF	Use with Caution	Mouse	Santa Cruz	sc-5284
Bad_pS112-R-V	Bad_pS112	BAD	Validated	Rabbit	CST	9291
Bak-R-E	Bak	BAK1	Use with Caution	Rabbit	Epitomics	1542-1
Bap1c-4-M-E	Bap1c-4	BAP1	Validated	Mouse	Alomine	APC-125
Bax-R-V	Bax	BAX	Validated	Rabbit	CST	2772
Bcl-2-M-V	Bcl-2	BCL2	Validated	Mouse	Dako	Dako M0887
Bcl-xL-R-V	Bcl-xL	BCL2L1	Validated	Rabbit	CST	2762
Beclin-G-C	Beclin	BECL1	Use with Caution	Goat	Santa Cruz	sc-10086
beta-Catenin-R-V	beta-Catenin	CTNNB2	Validated	Rabbit	CST	9562
Bid-R-C	Bid	BID	Use with Caution	Rabbit	Epitomics	1008-1
Bim-R-V	Bim	BCL2L11	Validated	Rabbit	Epitomics	1036-1
BRCA2-R-C	BRCA2	BRCA2	Use with Caution	Rabbit	CST	9012
c-Jun_pS73-R-V	c-Jun_pS73	JUN	Validated	Rabbit	Epitomics	1036-1
c-Kit-R-V	c-Kit	KIT	Validated	Rabbit	Epitomics	1522
c-Met_pY1235-R-V	c-Met_pY1235	MET	Validated	Rabbit	CST	3129
c-Myc-R-C	c-Myc	MYC	Use with Caution	Rabbit	CST	9402
C-Raf-R-V	C-Raf	RAF1	Validated	Rabbit	Millipore	05-739
C-Raf_pS338-R-E	C-Raf_pS338	RAF1	Validated	Rabbit	CST	9427
Caspase-7_cleavedD198-R-C	Caspase-7_cleavedD198	CASP7	Use with Caution	Rabbit	CST	9491
Caveolin-1-R-V	Caveolin-1	CAV1	Validated	Rabbit	CST	3238
CD20-R-C	CD20	MS4A1	Use with Caution	Rabbit	Epitomics	1632
CD31-M-V	CD31	PECAM1	Validated	Mouse	Dako	M0823
CD49b-M-V	CD49b	ITGA2	Validated	Mouse	BD	611016
CDK1-R-V	CDK1	CDC2	Validated	Rabbit	CST	9112
Chk1-R-E	Chk1	CHEK1	Use with Caution	Rabbit	CST	2345
Chk1_pS345-R-C	Chk1_pS345	CHEK1	Use with Caution	Rabbit	CST	2348
Chk2-M-E	Chk2	CHEK2	Validated	Mouse	CST	3440
Chk2_pT68-R-E	Chk2_pT68	CHEK2	Use with Caution	Rabbit	CST	2197
clAP-R-V	clAP	BIRC2	Use with Caution	Rabbit	Millipore	07-759
Claudin-7-R-V	Claudin-7	CLDN7	Validated	Rabbit	Novus	NB100-91714
Collagen_VI-R-V	Collagen_VI	COL6A1	Validated	Rabbit	Santa Cruz	SC-20649
Cyclin_B1-R-V	Cyclin_B1	CCNB1	Validated	Rabbit	Epitomics	1495-1
Cyclin_D1-R-V	Cyclin_D1	CCND1	Validated	Rabbit	Santa Cruz	SC-718
Cyclin_E1-M-V	Cyclin_E1	CCNE1	Validated	Mouse	Santa Cruz	SC-247
Cyclin_E2-R-C	Cyclin_E2	CCNE2	Use with Caution	Rabbit	Epitomics	1142
DJ-1-R-E	DJ-1	PARK7	Validated	Rabbit	Abcam	ab76008
Dvl3-R-V	Dvl3	DVL3	Validated	Rabbit	CST	3218
E-Cadherin-R-V	E-Cadherin	CDH1	Validated	Rabbit	CST	4065
eEF2-R-C	eEF2	EEF2	Use with Caution	Rabbit	CST	2332
eEF2K-R-V	eEF2K	EEF2K	Validated	Rabbit	CST	3692
EGFR-R-V	EGFR	EGFR	Validated	Rabbit	CST	2232
EGFR_pY1068-R-C	EGFR_pY1068	EGFR	Use with Caution (also recognize	Rabbit	CST	2234
EGFR_pY1173-R-V	EGFR_pY1173	EGFR	Validated	Rabbit	Epitomics	1124
elF4E-R-V	elF4E	EIF4E	Validated	Rabbit	CST	9742
elF4G-R-C	elF4G	EIF4G1	Use with Caution	Rabbit	CST	2498
ER-alpha-R-V	ER-alpha	ESR1	Validated	Rabbit	Lab Vision	RM-9101-S
ER-alpha_pS118-R-V	ER-alpha_pS118	ESR1	Validated	Rabbit	Epitomics	1091-1
ERK2-R-E	ERK2	MAPK1	Under Evaluation	Rabbit	Santa Cruz	sc-154
ETS-1-R-V	ETS-1	ETS1	Validated	Rabbit	BethYL	A303-501A
FASN-R-V	FASN	FASN	Validated	Rabbit	CST	3180
Fibronectin-R-V	Fibronectin	FN1	Validated	Rabbit	Epitomics	1574-1
FOXO3a-R-C	FOXO3a	FOXO3	Use with Caution	Rabbit	CST	9467
FoxM1-R-V	FoxM1	FOXM1	Validated	Rabbit	CST	5436

FOXO3a_pS318_S321-R-C	FOXO3a_pS318_S321	FOXO3	Use with Caution	Rabbit	CST	9465
G6PD-M-V	G6PD	G6PD	Validated	Mouse	Santa Cruz	sc-373887
Gab2-R-V	Gab2	GAB2	Validated	Rabbit	CST	3239
GAPDH-M-C	GAPDH	GAPDH	Use with Caution	Mouse	Ambion	AM4300
GATA3-M-V	GATA3	GATA3	Validated	Mouse	BD Biosciences	558686
GSK3-alpha-beta-M-V	GSK3-alpha-beta	GSK3A GSK3B	Validated	Mouse	Santa Cruz	SC-7291
GSK3-alpha-beta_pS21_S9-R-V	GSK3-alpha-beta_pS21_S9	GSK3A GSK3B	Validated	Rabbit	CST	9331
GSK3_pS9-R-V	GSK3_pS9	GSK3A GSK3B	Validated	Rabbit	CST	9336
HER2-M-V	HER2	ERBB2	Validated	Mouse	Lab Vision	MS-325-P1
HER2_pY1248-R-C	HER2_pY1248	ERBB2	Use with Caution (also recognize pEGFR)	Rabbit	Upstate (Millipore)	06-229
HER3-R-V	HER3	ERBB3	Validated	Rabbit	Lab Vision	MS-201-P1ABX
HER3_pY1298-R-C	HER3_pY1289	ERBB3	Use with Caution	Rabbit	CST	4791
Heregulin-R-V	Heregulin	NRG1	Validated	Rabbit	CST	2573
HSP70-R-C	HSP70	HSPA1A	Use with Caution	Rabbit	CST	4872
IGFBP2-R-V	IGFBP2	IGFBP2	Validated	Rabbit	CST	3922
INPP4B-G-E	INPP4B	INPP4B	Validated	Goat	Santa Cruz	SC-12318
IRS1-R-V	IRS1	IRS1	Validated	Rabbit	Upstate (Millipore)	06-248
JNK_pT183_pT185-R-V	JNK_pT183_pT185	MAPK8	Validated	Rabbit	CST	4668
JNK2-R-C	JNK2	MAPK9	Use with Caution	Rabbit	CST	4672
Ku80-R-C	Ku80	XRCC5	Use with Caution	Rabbit	CST	2180
Lck-R-V	Lck	LCK	Validated	Rabbit	CST	2752
LKB1-M-E	LKB1	STK11	Under Evaluation	Mouse	Abcam	ab15095
MAPK_pT202_Y204-R-V	MAPK_pT202_Y204	MAPK1 MAPK3	Validated	Rabbit	CST	4377
MEK1-R-V	MEK1	MAP2K1	Validated	Rabbit	Epitomics	1235-1
MEK1_pS217_S221-R-V	MEK1_pS217_S221	MAP2K1	Validated	Rabbit	CST	9154
MIG-6-M-V	MIG-6	ERF1	Validated	Mouse	Sigma	WH0054206M1
Mre11-R-C	Mre11	MRE11A	Use with Caution	Rabbit	CST	4847
MSH2-M-QC	MSH2	MSH2	Validated	Mouse	CST	2850
MSH6-R-QC	MSH6	MSH6	Use with Caution	Rabbit	SDI / Novus	2271.00.02
mTOR-R-V	mTOR	FRAP1	Validated	Rabbit	CST	2983
mTOR_pS2448-R-C	mTOR_pS2448	FRAP1	Use with Caution	Rabbit	CST	2971
MYH11-R-V	MYH11	MYH11	Validated	Rabbit	SDI / Novus	21370002
Myosin IIa pS1943-R-V	Myosin IIa pS1943	MYH9	Validated	Rabbit	CST	5026
N-Cadherin-R-V	N-Cadherin	CDH2	Validated	Rabbit	CST	4061
N-Ras-M-V	N-Ras	NRAS	Validated	Mouse	Santa Cruz	sc-31
NDRG1_pT346-R-V	NDRG1_pT346	NDRG1	Validated	Rabbit	CST	3217
NF-kB-p65_pS536-R-C	NF-kB-p65_pS536	NFKB1	Use with Caution	Rabbit	CST	3033
NF2-R-C	NF2	NF2	Use with Caution	Rabbit	SDI / Novus	2271.00.02
Notch1-R-V	Notch1	NOTCH1	Validated	Rabbit	CST	3268
P-Cadherin-R-C	P-Cadherin	CDH3	Use with Caution	Rabbit	CST	2130
p21-R-V	p21	CDKN1A	Validated	Rabbit	Santa Cruz	SC-397
p27-R-V	p27	CDKN1B	Validated	Rabbit	Epitomics	1591-1
p27_pT157-R-C	p27_pT157	CDKN1B	Validated	Rabbit	R&D	AF1555
p27_pT198-R-V	p27_pT198	CDKN1B	Use with Caution	Rabbit	Abcam	ab64949
p38_MAPK-R-V	p38_MAPK	MAPK14	Validated	Rabbit	CST	9212
p38_pT180_Y182-R-V	p38_pT180_Y182	MAPK14	Validated	Rabbit	CST	9211
p53-R-E	p53	TP53	Use with Caution	Rabbit	CST	9282
p62 LCK ligand-M-C	p62 LCK ligand	SOSTM1	Use with Caution	Mouse	BD Transduction Lab	610833
p70S6K-R-V	p70S6K	RPS6KB1	Validated	Rabbit	Epitomics	1494-1
p70S6K_pT389-R-V	p70S6K_pT389	RPS6KB1	Validated	Rabbit	CST	9205
p90RSK-R-C	p90RSK	RPS6KA1	Use with Caution	Rabbit	CST	9347
p90RSK_pT359_S363-R-C	p90RSK_pT359_S363	RPS6KA1	Use with Caution	Rabbit	CST	9344
PAI-1-M-E	PAI-1	SERPINE1	Validated	Mouse	BD Biosciences	612024
Paxillin-R-C	Paxillin	PXN	Use with Caution	Rabbit	Epitomics	1500-1
PCNA-M-C	PCNA	PCNA	Use with Caution	Mouse	Abcam	ab29
PDCD4-R-C	PDCD4	PDCD4	Use with Caution	Rabbit	Rockland	600-401-965
PDK1-R-V	PDK1	PDK1	Validated	Rabbit	CST	3062
PDK1_pS241-R-V	PDK1_pS241	PDK1	Validated	Rabbit	CST	3061
PEA15-R-V	PEA15	PEA15	Validated	Rabbit	CST	2780
PEA15_pS116-R-V	PEA15_pS116	PEA15	Validated	Rabbit	Invitrogen	44-836G
PI3K-p110-alpha-R-C	PI3K-p110-alpha	PIK3CA	Use with Caution	Rabbit	CST	4255
PI3K-p85-R-V	PI3K-p85	PIK3R1	Validated	Rabbit	Upstate (Millipore)	06-195
PKC-alpha-M-V	PKC-alpha	PRKCA	Validated	Mouse	Upstate (Millipore)	05-154
PKC-alpha_pS657-R-C	PKC-alpha_pS657	PRKCA	Use with Caution	Rabbit	Upstate (Millipore)	06-822
PKC-delta_pS664-R-V	PKC-delta_pS664	PRKCD	Validated	Rabbit	Millipore	07-875
PKC-pan_BetaII_pS660-R-V	PKC-pan_BetaII_pS660	PKC	Validated	Rabbit	CST	9371
PR-R-V	PR	PGR	Validated	Rabbit	Epitomics	1483-1
PRAS40_pT246-R-V	PRAS40_pT246	AKT1S1	Validated	Rabbit	Biosource	441100G
PRDX1-R-V	PRDX1	PRDX1	Validated	Rabbit	Sigma/Atlas	HPA007730
PREX1-R-E	PREX1	PREX1	Validated	Rabbit	Abcam	ab102739
PTEN-R-V	PTEN	PTEN	Validated	Rabbit	CST	9552
Rab11-R-E	Rab11	RAB11A RAB11B	Under Evaluation	Rabbit	CST	3539
Rab25-R-V	Rab25	RAB25	Validated	Rabbit	CST	4314
Rad50-M-V	Rad50	RAD50	Validated	Mouse	Millipore	05-525
Rad51-M-E	Rad51	RAD51	Validated	Mouse	Chem Biotech	na 71
Raptor-R-V	Raptor	RPTOR	Validated	Rabbit	CST	2280
Rb_pS807_S811-R-V	Rb_pS807_S811	RB1	Validated	Rabbit	CST	9308
RBM15-R-V	RBM15	RBM15	Validated	Rabbit	SDI / Novus	21390002
Rictor-R-C	Rictor	RICTOR	Use with Caution	Rabbit	CST	2114

Rictor_pT1135-R-V	Rictor_pT1135	RICTOR	Validated	Rabbit	CST	3806
S6-R-E	S6	RPS6	Under Evaluation	Rabbit	CST	2217
S6_pS235_S236-R-V	S6_pS235_S236	RPS6	Validated	Rabbit	CST	2211
S6_pS240_S244-R-V	S6_pS240_S244	RPS6	Validated	Rabbit	CST	2215
SCD1-M-V	SCD1	SCD1	Validated	Mouse	Santa Cruz	sc-58420
SF2-M-V	SF2	SFRS1	Validated	Mouse	Invitrogen	32-4500
Shc_pY317-R-E	Shc_pY317	SHC1	Validated	Rabbit	CST	2431
Smad1-R-V	Smad1	SMAD1	Validated	Rabbit	Epitomics	1649-1
Smad3-R-V	Smad3	SMAD3	Validated	Rabbit	Epitomics	1735-1
Smad4-M-V	Smad4	SMAD4	Validated	Mouse	Santa Cruz	sc-7966
Src-M-V	Src	SRC	Validated	Mouse	Upstate (Millipore)	05-184
Src_pY416-R-C	Src_pY416	SRC	Use with Caution	Rabbit	CST	2101
Src_pY527-R-V	Src_pY527	SRC	Validated	Rabbit	CST	2105
STAT3_pY705-R-V	STAT3_pY705	STAT3	Validated	Rabbit	CST	9131
STAT5-alpha-R-V	STAT5-alpha	STAT5A	Validated	Rabbit	Epitomics	1289-1
Stathmin-R-V	Stathmin	STMN1	Validated	Rabbit	Epitomics	1972-1
Syk-M-V	Syk	SYK	Validated	Mouse	Santa Cruz	sc-1240
TAZ-R-V	TAZ	WWTR1	Validated	Rabbit	CST	2149
TFRC-R-V	TFRC	TFRC	Validated	Rabbit	SDI / Novus	22500002
TIGAR-R-V	TIGAR	C12ORF5	Validated	Rabbit	Epitomics	S1711
Transglutaminase-M-V	Transglutaminase	TGM2	Validated	Mouse	Lab Vision	MS-224
TSC1-R-C	TSC1	TSC1	Use with Caution	Rabbit	CST	4906
TTF1-R-V	TTF1	TTF1	Validated	Rabbit	Epitomics	2044-1
Tuberin-R-E	Tuberin	TSC2	Validated	Rabbit	Epitomics	1613-1
Tuberin_pT1462-R-V	Tuberin_pT1462	TSC2	Validated	Rabbit	CST	3617
VEGFR2-R-V	VEGFR2	KDR	Validated	Rabbit	CST	2479
VHL-M-C	VHL	VHL	Use with Caution	Mouse	BD Pharmingen	556347
XBP1-G-C	XBP1	XBP1	Use with Caution	Goat	Santa Cruz	sc-32136
XRCC1-R-E	XRCC1	XRCC1	Use with Caution	Rabbit	CST	2735
YAP-R-E	YAP	YAP1	Under Evaluation	Rabbit	Santa Cruz	sc-15407
YAP_pS127-R-E	YAP_pS127	YAP1	Under Evaluation	Rabbit	CST	4911
YB-1-R-V	YB-1	YBX1	Validated	Rabbit	SDI	1725.00.02
YB-1_pS102-R-V	YB-1_pS102	YBX1	Validated	Rabbit	CST	2900