

## RAS/MAPK panel 1 (modified and non-modified peptide targets)

Gene Symbol	Target protein name	UniProt ID (& link)	Modification *
AKT1	RAC-alpha serine/threonine-protein kinase	<a href="#">P31749</a>	pS473
AKT1	RAC-alpha serine/threonine-protein kinase	<a href="#">P31749</a>	
AKT1	RAC-alpha serine/threonine-protein kinase	<a href="#">P31749</a>	pT308
AKT1	RAC-alpha serine/threonine-protein kinase	<a href="#">P31749</a>	
AKT2	activating transcription factor 2	<a href="#">P31751</a>	pS473
AKT2	activating transcription factor 2	<a href="#">P31751</a>	pS473
AKT2	activating transcription factor 2	<a href="#">P31751</a>	
AKT2	activating transcription factor 2	<a href="#">P31751</a>	
AKT3	RAC-gamma serine/threonine-protein kinase	<a href="#">Q9Y243</a>	pS472
AKT3	RAC-gamma serine/threonine-protein kinase	<a href="#">Q9Y243</a>	pS472
AKT3	RAC-gamma serine/threonine-protein kinase	<a href="#">Q9Y243</a>	
AKT3	RAC-gamma serine/threonine-protein kinase	<a href="#">Q9Y243</a>	
ARAF	Serine/threonine-protein kinase A-Raf	<a href="#">P10398</a>	pS299
ARAF	Serine/threonine-protein kinase A-Raf	<a href="#">P10398</a>	
ARAF	Serine/threonine-protein kinase A-Raf	<a href="#">P10398</a>	pS299
ARAF	Serine/threonine-protein kinase A-Raf	<a href="#">P10398</a>	
BRAF	v-raf murine sarcoma viral oncogene homolog B1	<a href="#">P15056</a>	pS446
BRAF	v-raf murine sarcoma viral oncogene homolog B1	<a href="#">P15056</a>	
BRAF	v-raf murine sarcoma viral oncogene homolog B1	<a href="#">P15056</a>	pT401
BRAF	v-raf murine sarcoma viral oncogene homolog B1	<a href="#">P15056</a>	
BRAF	v-raf murine sarcoma viral oncogene homolog B1	<a href="#">P15056</a>	pS446
BRAF	v-raf murine sarcoma viral oncogene homolog B1	<a href="#">P15056</a>	
EGFR	epidermal growth factor receptor (erythroblastic leukemia viral (v-erb-b) oncogene homolog, avian)	<a href="#">P00533</a>	pY1172
EGFR	epidermal growth factor receptor (erythroblastic leukemia viral (v-erb-b) oncogene homolog, avian)	<a href="#">P00533</a>	
EGFR	epidermal growth factor receptor (erythroblastic leukemia viral (v-erb-b) oncogene homolog, avian)	<a href="#">P00533</a>	pY1197
EGFR	epidermal growth factor receptor (erythroblastic leukemia viral (v-erb-b) oncogene homolog, avian)	<a href="#">P00533</a>	pY1069
EGFR	epidermal growth factor receptor (erythroblastic leukemia viral (v-erb-b) oncogene homolog, avian)	<a href="#">P00533</a>	pY1092
EGFR	epidermal growth factor receptor (erythroblastic leukemia viral (v-erb-b) oncogene homolog, avian)	<a href="#">P00533</a>	
ERBB2	Receptor tyrosine-protein kinase erbB-2	<a href="#">P04626</a>	pY1248
ERBB2	Receptor tyrosine-protein kinase erbB-2	<a href="#">P04626</a>	
ERBB2	Receptor tyrosine-protein kinase erbB-2	<a href="#">P04626</a>	pY877
ERBB2	Receptor tyrosine-protein kinase erbB-2	<a href="#">P04626</a>	
FOXO3	forkhead box O3	<a href="#">O43524</a>	pS253
GSK3B	Glycogen synthase kinase-3 beta	<a href="#">P49841</a>	pS9
GSK3B	Glycogen synthase kinase-3 beta	<a href="#">P49841</a>	
MAPK1	mitogen-activated protein kinase 1	<a href="#">P28482</a>	pT185/pY187
MAPK1	mitogen-activated protein kinase 1	<a href="#">P28482</a>	pT185
MAPK1	mitogen-activated protein kinase 1	<a href="#">P28482</a>	pY187
MAPK1	mitogen-activated protein kinase 1	<a href="#">P28482</a>	
MAPK3	mitogen-activated protein kinase 3	<a href="#">P27361</a>	pT202/pY204
MAPK3	mitogen-activated protein kinase 3	<a href="#">P27361</a>	pT202
MAPK3	mitogen-activated protein kinase 3	<a href="#">P27361</a>	pY204
MAPK3	mitogen-activated protein kinase 3	<a href="#">P27361</a>	
MAPK8	mitogen-activated protein kinase 8	<a href="#">P45983</a>	pT183/pY185
MAPK8	mitogen-activated protein kinase 8	<a href="#">P45983</a>	pT183
MAPK8	mitogen-activated protein kinase 8	<a href="#">P45983</a>	
MTOR	mechanistic target of rapamycin (serine/threonine kinase)	<a href="#">P42345</a>	pS2448
MTOR	mechanistic target of rapamycin (serine/threonine kinase)	<a href="#">P42345</a>	
MTOR	mechanistic target of rapamycin (serine/threonine kinase)	<a href="#">P42345</a>	pS2481
MTOR	mechanistic target of rapamycin (serine/threonine kinase)	<a href="#">P42345</a>	pS2481
MTOR	mechanistic target of rapamycin (serine/threonine kinase)	<a href="#">P42345</a>	
MTOR	mechanistic target of rapamycin (serine/threonine kinase)	<a href="#">P42345</a>	
MTOR	mechanistic target of rapamycin (serine/threonine kinase)	<a href="#">P42345</a>	pS2448
MTOR	mechanistic target of rapamycin (serine/threonine kinase)	<a href="#">P42345</a>	
RAF1	v-raf-1 murine leukemia viral oncogene homolog 1	<a href="#">P04049</a>	pS259
RAF1	v-raf-1 murine leukemia viral oncogene homolog 1	<a href="#">P04049</a>	

(56 analytes)

\*blanks mean the assay detects the non-modified peptide sequence