

## RAS/MAPK panel 2 (non-modified protein targets)

(47 analytes)

Gene Symbol	Target protein name	UniProt ID (& link)	Modification*
AKT1	RAC-alpha serine/threonine-protein kinase	<a href="#">P31749</a>	
AKT1	RAC-alpha serine/threonine-protein kinase	<a href="#">P31749</a>	
AKT2	activating transcription factor 2	<a href="#">P31751</a>	
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>	
ARAF	Serine/threonine-protein kinase A-Raf	<a href="#">P10398</a>	
ARAF	Serine/threonine-protein kinase A-Raf	<a href="#">P10398</a>	
BRAF	v-raf murine sarcoma viral oncogene homolog B1	<a href="#">P15056</a>	
CCND1	cyclin D1	<a href="#">P24385</a>	
CCND1	cyclin D1	<a href="#">P24385</a>	
CCND1	cyclin D1	<a href="#">P24385</a>	
CCND1	cyclin D1	<a href="#">P24385</a>	
CCND1	cyclin D1	<a href="#">P24385</a>	
CDH1	cadherin 1	<a href="#">P12830</a>	
CDH1	cadherin 1	<a href="#">P12830</a>	
CDH2	cadherin 2, type 1, N-cadherin (neuronal)	<a href="#">P19022</a>	
CDH2	cadherin 2, type 1, N-cadherin (neuronal)	<a href="#">P19022</a>	
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>	
ERBB2	v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog (avian)	<a href="#">P04626</a>	
ERBB3	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)	<a href="#">P21860</a>	
ERBB3	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)	<a href="#">P21860</a>	
ERBB3	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)	<a href="#">P21860</a>	
FOS	v-fos FBJ murine osteosarcoma viral oncogene homolog	<a href="#">P01100</a>	
FOS	v-fos FBJ murine osteosarcoma viral oncogene homolog	<a href="#">P01100</a>	
FOS	v-fos FBJ murine osteosarcoma viral oncogene homolog	<a href="#">P01100</a>	
GAPDH	Glyceraldehyde-3-phosphate dehydrogenase	<a href="#">P04406</a>	
GSK3B	Glycogen synthase kinase-3 beta	<a href="#">P49841</a>	
GSK3B	Glycogen synthase kinase-3 beta	<a href="#">P49841</a>	
GSK3B	Glycogen synthase kinase-3 beta	<a href="#">P49841</a>	
MAP2K1	mitogen-activated protein kinase kinase 1	<a href="#">Q02750</a>	
MAPK3	mitogen-activated protein kinase 3	<a href="#">P27361</a>	
MTOR	mechanistic target of rapamycin (serine/threonine kinase)	<a href="#">P42345</a>	
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PTEN	Phosphatidylinositol 3,4,5-trisphosphate 3-phosphatase and dual-specificity protein phosphatase PTEN	<a href="#">P60484</a>	
PTEN	phosphatase and tensin homolog (mutated in multiple advanced cancers 1)	<a href="#">P60484</a>	
PTEN	phosphatase and tensin homolog (mutated in multiple advanced cancers 1)	<a href="#">P60484</a>	
PTEN	Phosphatidylinositol 3,4,5-trisphosphate 3-phosphatase and dual-specificity protein phosphatase PTEN	<a href="#">P60484</a>	
RAF1	v-raf-1 murine leukemia viral oncogene homolog 1	<a href="#">P04049</a>	
RAF1	v-raf-1 murine leukemia viral oncogene homolog 1	<a href="#">P04049</a>	
RAF1	v-raf-1 murine leukemia viral oncogene homolog 1	<a href="#">P04049</a>	
RPTOR	regulatory associated protein of MTOR, complex 1	<a href="#">Q8N122</a>	
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\*blanks mean the assay detects the non-modified peptide sequence