

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

(50 analytes)

Gene Symbol	Target protein name	UniProt ID (& link)	Modification*
AKT1	RAC-alpha serine/threonine-protein kinase	P31749	
AKT1	RAC-alpha serine/threonine-protein kinase	P31749	pS473
AKT1	RAC-alpha serine/threonine-protein kinase	P31749	
AKT1	RAC-alpha serine/threonine-protein kinase	P31749	pT308
AKT2	activating transcription factor 2	P31751	
AKT2	activating transcription factor 2	P31751	pS473
AKT2	activating transcription factor 2	P31751	
AKT3	RAC-gamma serine/threonine-protein kinase	Q9Y243	
AKT3	RAC-gamma serine/threonine-protein kinase	Q9Y243	
AKT3	RAC-gamma serine/threonine-protein kinase	Q9Y243	pS472
ARAF	Serine/threonine-protein kinase A-Raf	P10398	
ARAF	Serine/threonine-protein kinase A-Raf	P10398	pS299
ARAF	Serine/threonine-protein kinase A-Raf	P10398	
ARAF	Serine/threonine-protein kinase A-Raf	P10398	pS299
BRAF	v-raf murine sarcoma viral oncogene homolog B1	P15056	
BRAF	v-raf murine sarcoma viral oncogene homolog B1	P15056	pT401
BRAF	v-raf murine sarcoma viral oncogene homolog B1	P15056	
BRAF	v-raf murine sarcoma viral oncogene homolog B1	P15056	
BRAF	v-raf murine sarcoma viral oncogene homolog B1	P15056	pS446
EGFR	epidermal growth factor receptor (erythroblastic leukemia viral (v-erb-b) oncogene homolog, avian)	P00533	pY1172
EGFR	epidermal growth factor receptor (erythroblastic leukemia viral (v-erb-b) oncogene homolog, avian)	P00533	
EGFR	epidermal growth factor receptor (erythroblastic leukemia viral (v-erb-b) oncogene homolog, avian)	P00533	
EGFR	epidermal growth factor receptor (erythroblastic leukemia viral (v-erb-b) oncogene homolog, avian)	P00533	pY1197
EGFR	epidermal growth factor receptor (erythroblastic leukemia viral (v-erb-b) oncogene homolog, avian)	P00533	pY1092
EGFR	epidermal growth factor receptor (erythroblastic leukemia viral (v-erb-b) oncogene homolog, avian)	P00533	
ERBB2	v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog (avian)	P04626	
ERBB2	v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog (avian)	P04626	pY1248
ERBB2	v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog (avian)	P04626	
ERBB2	v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog (avian)	P04626	pY877
FOXO3	forkhead box O3	O43524	pS253
GSK3B	glycogen synthase kinase 3 beta	P49841	
GSK3B	glycogen synthase kinase 3 beta	P49841	pS9
MAPK1	mitogen-activated protein kinase 1	P28482	pT185/pY187
MAPK1	mitogen-activated protein kinase 1	P28482	pT185
MAPK1	mitogen-activated protein kinase 1	P28482	pY187
MAPK1	mitogen-activated protein kinase 1	P28482	
MAPK3	mitogen-activated protein kinase 3	P27361	pT202/pY204
MAPK3	mitogen-activated protein kinase 3	P27361	
MAPK3	mitogen-activated protein kinase 3	P27361	pT202
MAPK3	mitogen-activated protein kinase 3	P27361	pY204
MAPK8	mitogen-activated protein kinase 8	P45983	pT183/pY185
MAPK8	mitogen-activated protein kinase 8	P45983	
MTOR	mechanistic target of rapamycin (serine/threonine kinase)	P42345	pS2448
MTOR	mechanistic target of rapamycin (serine/threonine kinase)	P42345	
MTOR	mechanistic target of rapamycin (serine/threonine kinase)	P42345	pS2481
MTOR	mechanistic target of rapamycin (serine/threonine kinase)	P42345	
MTOR	mechanistic target of rapamycin (serine/threonine kinase)	P42345	pS2448
MTOR	mechanistic target of rapamycin (serine/threonine kinase)	P42345	
RAF1	v-raf-1 murine leukemia viral oncogene homolog 1	P04049	
RAF1	v-raf-1 murine leukemia viral oncogene homolog 1	P04049	pS259

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