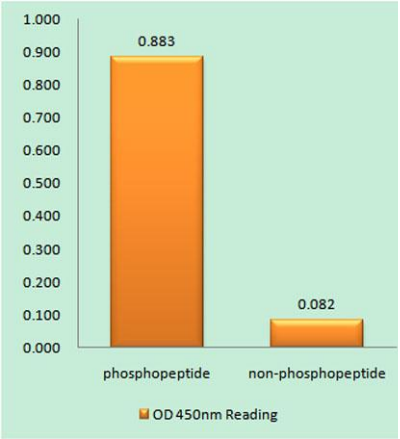
Rsk-1/2/3/4 (phospho Ser221/227/S218/232) rabbit pAb

Cat#: orb769959 (Manual)

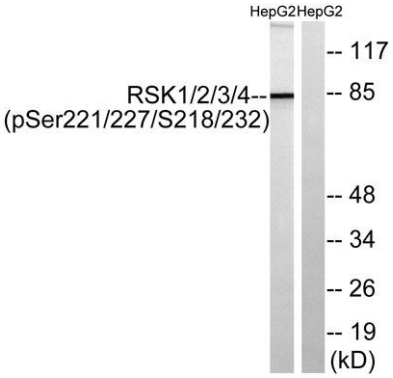
For research use only. Not intended for diagnostic use.

Product Name	Rsk-1/2/3/4 (phospho Ser221/227/S218/232) rabbit pAb
Host species	Rabbit
Applications	WB;ELISA
Species Cross-Reactivity	Human;Mouse
Recommended dilutions	Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human RSK1/2/3/4 around the phosphorylation site of Ser221/227/S218/232. AA range:191-240
Specificity	Phospho-Rsk-1/2/3/4 (S221/227/S218/232) Polyclonal Antibody detects endogenous levels of Rsk-1/2/3/4 protein only when phosphorylated at S221/227/S218/232.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Ribosomal protein S6 kinase alpha-1
Gene Name	RPS6KA1
Cellular localization	Nucleus. Cytoplasm.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal

Concentration	1 mg/ml
Observed band	85kD
Human Gene ID	6195/6197/6196/27330
Human Swiss-Prot Number	Q15418/P51812/Q15349/Q9UK32
Alternative Names	RPS6KA1; MAPKAPK1A; RSK1; Ribosomal protein S6 kinase alpha-1; S6K-alpha-1; 90 kDa ribosomal protein S6 kinase 1; p90-RSK 1; p90RSK1; p90S6K; MAP kinase-activated protein kinase 1a; MAPK-activated protein kinase 1a; MAPKAP kinase 1a; MAPKAP
Background	ribosomal protein S6 kinase A1(RPS6KA1) Homo sapiens This gene encodes a member of the RSK (ribosomal S6 kinase) family of serine/threonine kinases. This kinase contains 2 nonidentical kinase catalytic domains and phosphorylates various substrates, including members of the mitogen-activated kinase (MAPK) signalling pathway. The activity of this protein has been implicated in controlling cell growth and differentiation. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008],



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using RSK1/2/3/4 (Phospho-Ser221/227/S218/232) Antibody



Western blot analysis of lysates from HepG2 cells treated with EGF 200ng/ml 30', using RSK1/2/3/4 (Phospho-Ser221/227/S218/232) Antibody. The lane on the right is blocked with the phospho peptide.

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