



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

Cat No.:ES7084

For research use only

## Overview

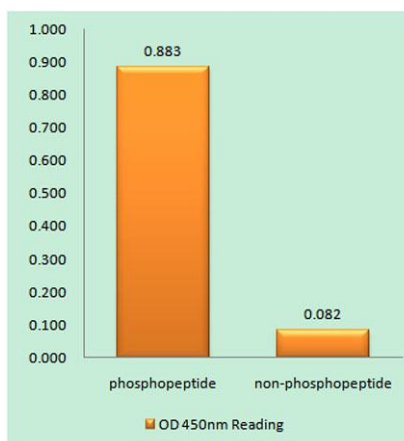
<b>Product Name</b>	Rsk-1/2/3/4 (phospho Ser221/227/S218/232) rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.
<b>Immunogen</b>	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
<b>Specificity</b>	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.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Ribosomal protein S6 kinase alpha-1
<b>Gene Name</b>	RPS6KA1
<b>Cellular localization</b>	Nucleus. Cytoplasm.
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	85kD
<b>Human Gene ID</b>	6195/6197/6196/27330
<b>Human Swiss-Prot Number</b>	Q15418/P51812/Q15349/Q9UK32
<b>Alternative Names</b>	RPS6KA1; MAPKAPK1A; RSK1; Ribosomal protein S6 kinase alpha-1; S6K-alpha-1; 90 kDa ribosomal protein S6 kinase 1; p90-RSK 1; p90RSK1; p90S6K;



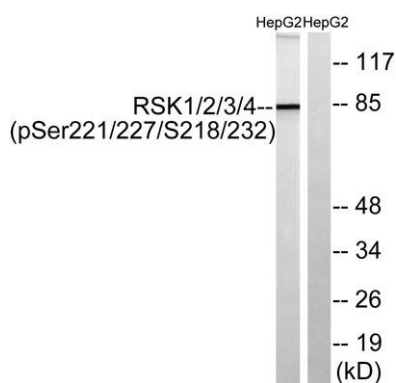


## Background

MAP kinase-activated protein kinase 1a;  
MAPK-activated protein kinase 1a; MAPKAP kinase  
1a; MAPKAP  
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.

