

# RSK1/2/3/4 (Phospho-Ser221/227/S218/232) Antibody

Catalog No: #11753

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Package Size: #11753-1 50ul #11753-2 100ul

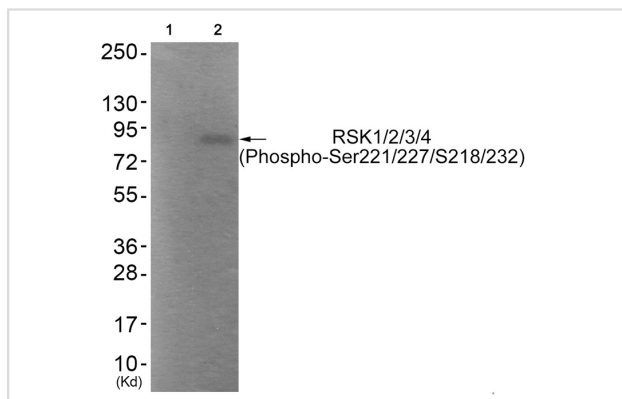
## Description

Product Name	RSK1/2/3/4 (Phospho-Ser221/227/S218/232) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Applications	WB
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous levels of RSK1/2/3/4 only when phosphorylated at serine 221/227/218/232.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of Serine 221/227/218/232(A-Y-S(p)-F-C) derived from Human RSK1/2/3/4.
Target Name	RSK1/2/3/4
Modification	Phospho
Other Names	KS6A1; KS6AA; MAPKAP-K1a; RSK1;
Accession No.	Swiss-Prot#: Q15418/P51812/Q15349/Q9UK32; NCBI Gene#: 6195/6197/6196/27330; NCBI Protein#: NP_002944.2.
SDS-PAGE MW	85kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

## Application Details

Western blotting: 1:500~1:1000

## Images



Western blot analysis of extracts from HepG2 cells (Lane 2), using RSK1/2/3/4 (Phospho-Ser221/227/218/232) Antibody #11753. The lane on the left is treated with antigen-specific peptide.

## Background

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. This gene encodes a member of the RSK (ribosomal S6 kinase) family of serine/threonine kinases. This kinase contains 2 non-identical kinase catalytic domains and phosphorylates various substrates, including members of the mitogen-activated kinase (MAPK) signalling pathway.

Moller D.E., Am. J. Physiol. 266:C351-C359(1994).

Gregory S.G., Nature 441:315-321(2006).

The MGC Project Team, Genome Res. 14:2121-2127(2004).

Note: This product is for in vitro research use only and is not intended for use in humans or animals.