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Datasheet

RPS6KA1 polyclonal antibody

Catalog Number: PAB2115

Regulatory Status: For research use only (RUO)

Product Description: Rabbit polyclonal antibody raised against synthetic peptide of RPS6KA1.

Immunogen: A synthetic peptide (conjugated with KLH) corresponding to residues surrounding S732 of human RPS6KA1.

Host: Rabbit

Reactivity: Human

Applications: IHC-P, WB-Tr
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Form: Liquid

Purification: Protein A purification

Recommend Usage: Western Blot (1:1000)
Immunohistochemistry (1:10-50)
The optimal working dilution should be determined by the end user.

Storage Buffer: In PBS (0.09% sodium azide)

Storage Instruction: Store at 4°C. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 6195

Gene Symbol: RPS6KA1

Gene Alias: HU-1, MAPKAPK1A, RSK, RSK1

Gene Summary: 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]

References:

1. 14-3-3beta is a p90 ribosomal S6 kinase (RSK) isoform 1-binding protein that negatively regulates RSK kinase activity. Cavet ME, Lehoux S, Berk BC. J Biol Chem. 2003 May 16;278(20):18376-83. Epub 2003 Mar 4.
2. Mammalian cell size is controlled by mTOR and its downstream targets S6K1 and 4EBP1/eIF4E. Fingar DC, Salama S, Tsou C, Harlow E, Blenis J. Genes Dev. 2002 Jun 15;16(12):1472-87.
3. VIIa/tissue factor interaction results in a tissue factor cytoplasmic domain-independent activation of protein synthesis, p70, and p90 S6 kinase phosphorylation. Versteeg HH, Sorensen BB, Slofstra SH, Van den Brande JH, Stam JC, van Bergen en Henegouwen PM, Richel DJ, Petersen LC, Peppelenbosch MP. J Biol Chem. 2002 Jul 26;277(30):27065-72. Epub 2002 May 17.