

Rabbit anti-Human, Mouse RPS6KA4 Polyclonal Antibody | anti-RPS6KA4 antibody

RPS6KA4 Antibody

CATALOG # AAA232659	HOST Rabbit	REACTIVITY Human, Mouse	APPLICATIONS Immunofluorescence, Western Blot, ELISA
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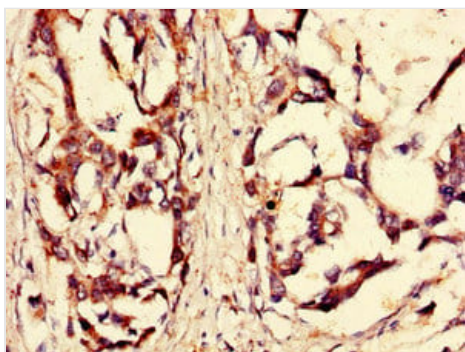
PRODUCT SYNONYMS

RPS6KA4; Polyclonal Antibody; RPS6KA4 Antibody; Ribosomal protein S6 kinase alpha-4; 90 kDa ribosomal protein S6 kinase 4; Nuclear mitogen- and stress-activated protein kinase 2; Ribosomal protein kinas; MSK2; anti-RPS6KA4 antibody

PRODUCT SPECIFICATIONS

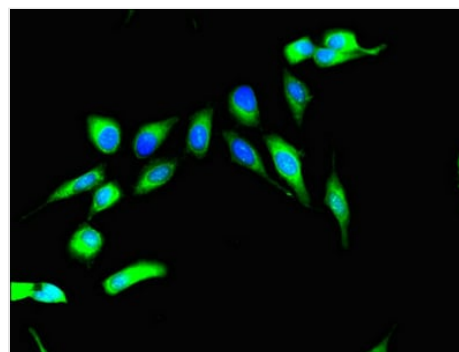
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	766
Applicable Applications for anti-RPS6KA4 antibody	IF (Immunofluorescence), WB (Western Blot), ELISA
Immunogen	Recombinant Human Ribosomal protein S6 kinase alpha-4 protein (237-393AA)
Preservative	0.03% Proclin 300
Constituents	50% Glycerol, 0.01M PBS, PH 7.4
Conjugation	Non-conjugated
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-82229 / sc-82231 / sc-98524
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



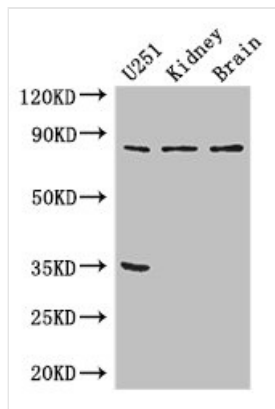
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human gastric cancer using AAA232659 at dilution of 1:100



IF (Immunofluorescence)

Immunofluorescent analysis of HeLa cells using AAA232659 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



WB (Western Blot)

Western BlotPositive WB detected in:U251 whole cell lysate,Mouse kidney tissue,Mouse brain tissueAll lanes: RPS6KA4 antibody at 3ug/mlSecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 86,85 kDaObserved band size: 86 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-RPS6KA4 antibody	Serine/threonine-protein kinase that is required for the mitogen or stress-induced phosphorylation of the transcription factors CREB1 and ATF1 and for the regulation of the transcription factor RELA, and that contributes to gene activation by histone phosphorylation and functions in the regulation of inflammatory genes. Phosphorylates CREB1 and ATF1 in response to mitogenic or stress stimuli such as UV-C irradiation, epidermal growth factor (EGF) and anisomycin. Plays an essential role in the control of RELA transcriptional activity in response to TNF. Phosphorylates 'Ser-10' of histone H3 in response to mitogenics, stress stimuli and EGF, which results in the transcriptional activation of several immediate early genes, including proto-oncogenes c-fos/FOS and c-jun/JUN. May also phosphorylate 'Ser-28' of histone H3. Mediates the mitogen- and stress-induced phosphorylation of high mobility group protein 1 (HMGN1/HMG14). In lipopolysaccharide-stimulated primary macrophages, acts downstream of the Toll-like receptor TLR4 to limit the production of pro-inflammatory cytokines. Functions probably by inducing transcription of the MAP kinase phosphatase DUSP1 and the anti-inflammatory cytokine interleukin 10 (IL10), via CREB1 and ATF1 transcription factors.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	55743138
NCBI GeneID	8986
NCBI Accession #	NP_001006945.1
NCBI GenBank Nucleotide #	NM_001006944.1
UniProt Accession #	O75676; O75585; Q53ES8; A8K7Z8
Molecular Weight	84,884 Da
NCBI Official Full Name	ribosomal protein S6 kinase alpha-4 isoform b
NCBI Official Synonym Full Names	ribosomal protein S6 kinase A4
NCBI Official Symbol	RPS6KA4
NCBI Official Synonym Symbols	MSK2; RSK-B; S6K-alpha-4
NCBI Protein Information	ribosomal protein S6 kinase alpha-4
UniProt Protein Name	Ribosomal protein S6 kinase alpha-4
UniProt Gene Name	RPS6KA4
UniProt Synonym Gene Names	MSK2; S6K-alpha-4; RSKB
UniProt Entry Name	KS6A4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/rps6ka4-antibody-immunofluorescence-western-blot-elisa/232659>