

Rabbit RSK3 Polyclonal Antibody | anti-RSK3 antibody

Phospho-RSK3 (Thr356) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329746	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig (91%), Zebrafish (91%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (91%)	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

RSK3; Polyclonal Antibody; Phospho-RSK3 (Thr356) Antibody; 90kDa ribosomal protein S6 kinase 2; HU 2; KS6A2_HUMAN; MAP kinase activated protein kinase 1c; MAP kinase-activated protein kinase 1c; MAPK-activated protein kinase 1c; MAPKAP kinase 1c; MAPKAPK-1c; MAPKAPK1C; Mitogen. Activated protein kinase-activated protein kinase 1C; p90 RSK3; p90-RSK 2; p90RSK2; pp90RSK3; Ribosomal protein S6 kinase alpha-2; ribosomal protein S6 kinase; 90kDa; polypeptide 2; Ribosomal S6 kinase 3; RPS6KA2; RSK 3; RSK; RSK-3; S6K alpha; S6K alpha 2; S6K-alpha-2; anti-RSK3 antibody

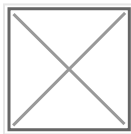
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig (91%), Zebrafish (91%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (91%)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Phospho-RSK3 (Thr356) Antibody detects endogenous levels of RSK3 only when phosphorylated at Thr356. Tissue Specificity: Widely expressed with higher expression in lung, skeletal muscle, brain, uterus, ovary, thyroid and prostate.
Purity/Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-RSK3 antibody	ELISA (Peptide ELISA), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human RSK3 around the phosphorylation site of Thr356.
Conjugation	Unconjugated
Fragment	Fab fragment
Post Translational Modifications	Activated by phosphorylation at Ser-218 by PDPK1. Autophosphorylated on Ser-377, as part of the activation process. May be phosphorylated at Thr-356 and Ser-360 by MAPK1/ERK2 and MAPK3/ERK1 (By similarity).N-terminal myristoylation results in an activated kinase in the absence of added growth factors.
Subunit Structure	Forms a complex with either MAPK1/ERK2 or MAPK3/ERK1 in quiescent cells. Transiently dissociates following mitogenic stimulation (By similarity). Interacts with FBXO5; cooperate to induce the metaphase arrest of early blastomeres; increases and stabilizes interaction of FBXO5 with CDC20 (By similarity).
Similarity	Belongs to the protein kinase superfamily. AGC Ser/Thr protein kinase family. S6 kinase subfamily.
Subcellular Location	Nucleus. Cytoplasm.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
At 1/200 staining Human kidney tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)
At 1/200 staining Mouse kidney tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemisry)
At 1/200 staining Rat ganstric tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary antibody.



WB (Western Blot)
Western blot analysis of RSK3 (Phospho-Thr356) using HeLa whole cell lysates.-/+ means absence or presence of N peptide¼non-phospho peptide) and P peptide(phospho peptide).



WB (Western Blot)
Western blot analysis of extracts from 293,HepG2 and mouse lung, using RSK3 (Phospho-Thr356) Antibody.

ADDITIONAL INFORMATION

Related Product Information for anti- RSK3 antibody	Serine/threonine-protein kinase that acts downstream of ERK (MAPK1/ERK2 and MAPK3/ERK1) signaling and mediates mitogenic and stress-induced activation of transcription factors, regulates translation, and mediates cellular proliferation, survival, and differentiation. May function as tumor suppressor in epithelial ovarian cancer cells.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	55743136
NCBI GeneID	6196
NCBI Accession #	NP_001006933.1
NCBI GenBank Nucleotide #	NM_001006932.1
UniProt Accession #	Q15349; Q15419; Q59GJ3; Q5TI68; Q96J38; Q9UJN5; B3KTK9
Molecular Weight	83,239 Da
NCBI Official Full Name	ribosomal protein S6 kinase alpha-2 isoform b
NCBI Official Synonym Full Names	ribosomal protein S6 kinase, 90kDa, polypeptide 2
NCBI Official Symbol	RPS6KA2
NCBI Official Synonym Symbols	RSK; HU-2; RSK3; p90-RSK3; pp90RSK3; MAPKAPK1C; S6K-alpha; S6K-alpha2
NCBI Protein Information	ribosomal protein S6 kinase alpha-2; RSK-3; p90RSK2; p90-RSK 2; MAPKAPK-1c; S6K-alpha-2; MAPKAP kinase 1c; ribosomal S6 kinase 3; MAPK-activated protein kinase 1c; ribosomal protein S6 kinase alpha 2; 90 kDa ribosomal protein S6 kinase 2; MAP kinase-activ
UniProt Protein Name	Ribosomal protein S6 kinase alpha-2

UniProt Gene Name	RPS6KA2
UniProt Synonym Gene Names	MAPKAPK1C; RSK3; S6K-alpha-2; p90-RSK 2; p90RSK2; MAPK-activated protein kinase 1c; MAPKAP kinase 1c; MAPKAPK-1c; RSK-3
UniProt Entry Name	KS6A2_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/rsk3-antibody-peptide-elisa-immunohistochemistry-western-blot-elisa/329746>