

Rabbit S6K (pS434) Antibody | anti-S6K (pS434) antibody

Rabbit anti Phospho-p70S6K (pSer434)

CATALOG # AAA71399	HOST Rabbit	REACTIVITY Human, Rat, Mouse, Chicken, Bovine. Canine	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
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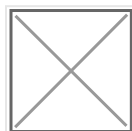
PRODUCT SYNONYMS

S6K (pS434); Rabbit anti Phospho-p70S6K (pSer434); Rabbit anti-p70S6K (pS434); RPS6KB1; S6K kinase; Ribosomal protein S6K kinase; p70S6K; anti-S6K (pS434) antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat, Mouse, Chicken, Bovine. Canine
Specificity	This antibody recognizes ~70 kDa of human p70S6K protein. It does not recognize non-phosphorylated peptides. This antibody also reacts with mouse and rat. The other species are not tested
Purity/Purification	The Rabbit IgG is purified by Site-specific Epitope Affinity Purification.
Form/Format	This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer
Concentration	Size: 100 ug/200 ul (varies by lot)
Applicable Applications for anti-S6K (pS434) antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Antigen Preparation	A synthetic peptide corresponding to the epitope -IRSPR- at a phosphorylation site at serine 434 of human p70S6K protein. This sequence is identical within human, rat, mouse, bovine, chicken and dog
Positive Control	Conditioned 3T3 cells
Preparation and Storage	The antibodies are stable for 12 months from date of receipt when stored at -20 degree C to -70 degree C. Upon initial thawing, apportion into working aliquots and store at -70 degree C for up to six months. The antibodies can be stored at 2 degree C-8 degree C for one month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

IMAGES



Application Data

ADDITIONAL INFORMATION

Related Product Information for anti-S6K (pS434) antibody	S6 kinase, or p70 S6 Kinase, a mitogen activated Ser/Thr protein kinase, is required for cell growth and G1 cell cycle progression. P70 S6 Kinase and single 4E-BP are phosphorylated via the insulin and target of rapamycin (TOR) signaling pathway which is independent of PI3K and AKT activity. On the other hand, the oncogenic transformation by P3k and Akt is dependent on targets that control translation: transforming activity, which is correlated with phosphorylation and activation of S6K and eliminated by the mTOR inhibitor rapamycin. S6K phosphorylates the S6 protein of the 40S ribosomal subunit.
References	Mathieu Miron, et al. Signaling from Akt to FRAP/TOR Targets both 4E-BP and S6K in Drosophila melanogaster. (2003) Molecular and Cellular Biology, 23 (24), 9117-9126.

NCBI AND UNIPROT INFORMATION

Molecular Weight	70 kDa
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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/rabbit-bovine-canine-chicken-human-mouse-ovine-rat-antibody/s6k-ps434/71399>