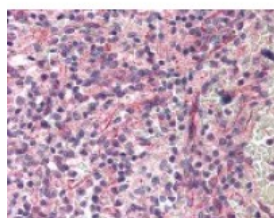




Ribosomal Protein S6 Kinase Antibody

CATALOG NUMBER: 49-481



Immunohistochemistry staining of
Ribosomal Protein S6 Kinase in spleen
tissue using Ribosomal Protein S6 Kinase
Antibody.

Specifications

SPECIES REACTIVITY:	Human
TESTED APPLICATIONS:	ELISA, IHC, IP, WB
APPLICATIONS:	Ribosomal Protein S6 Kinase antibody can be used in Western Blot starting at 1 - 2 ug/mL, immunohistochemistry starting at 10 ug/mL, and flow cytometry.
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.
IMMUNOGEN:	Ribosomal Protein S6 Kinase antibody was raised against amino acids 189 - 201 of Ribosomal Protein S6 Kinase (Human) around the carboxy terminal.
HOST SPECIES:	Rabbit

Properties

PURIFICATION:	Immunoaffinity Chromatography
PHYSICAL STATE:	Liquid
BUFFER:	0.02 M potassium phosphate, 0.15 M sodium chloride, pH 7.2, 0.01% sodium azide.
STORAGE CONDITIONS:	Store Ribosomal Protein S6 Kinase antibody at 4 °C or -20 °C. As with all antibodies avoid freeze/thaw cycles.
CLONALITY:	Polyclonal
CONJUGATE:	Unconjugated

Additional Info

ALTERNATE NAMES:	RPS6KB1, 70 kDa S6 kinase, p70 S6KA, p70-alpha, p70-S6K, p70 S6 kinase alpha, p70s6 kinase, S6K-beta-1, STK14A, p70 ribosomal S6 kinase, p70 S6 kinase, alpha 1, p70 S6 kinase, alpha 2, p70 S6K-alpha, p70-S6K 1, p70S6K, p70S6K1, PS6K, Ribosomal protein S6 kinase I, S6K, S6K1, p70 ribosomal S6 kinase alpha, p70(S6K)-alpha
ACCESSION NO.:	P23443
PROTEIN GI NO.:	54041234
OFFICIAL SYMBOL:	RPS6KB1
GENE ID:	6198

Background

BACKGROUND: The protein p70 S6 kinase is critical for cell cycle progression and cell survival. In response to mitogen stimulation, p70 S6 kinase activation up-regulates ribosomal biosynthesis and enhances the translational capacity. p70S6K phosphorylates the S6 protein of the 40S subunit of the ribosome. This kinase was first characterized as an insulin/mitogen-activated protein kinase, whose major known substrate is the 40 S ribosomal subunit protein S6. The p70 S6 kinase is activated by diverse stimuli through a multi-site phosphorylation such as Thr-252 and Ser-434. In Alzheimer's Disease (AD), p70 S6 kinase activation is associated with PHF-tau (hyperphosphorylated tau) accumulation. In non-neuronal cells, p70 S6 kinase have been shown to regulate actin polymerization.

FOR RESEARCH USE ONLY

December 13, 2016