

p70 S6 kinase Alpha Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP06857
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human p70 S6 Kinase. AA range:195-244
Mol wt	59140
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, IHC-p, IF, ELISA
Concentration	1 mg/ml
Full name	p70 S6 kinase alpha Antibody
Synonyms	RPS6KB1; STK14A; Ribosomal protein S6 kinase beta-1; S6K-beta-1; S6K1; 70 kDa ribosomal protein S6 kinase 1; P70S6K1; p70-S6K 1; Ribosomal protein S6 kinase I; Serine/threonine-protein kinase 14A; p70

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

RPS6KB1 (ribosomal protein S6 kinase B1) encodes a member of the ribosomal S6 kinase family of serine/threonine kinases. The encoded protein responds to mTOR (mammalian target of rapamycin) signaling to promote protein synthesis, cell growth, and cell proliferation. Activity of RPS6KB1 has been associated with human cancer. Alternatively spliced transcript variants have been observed. The use of alternative translation start sites results in isoforms with longer or shorter N-termini which may differ in their subcellular localizations. There are two pseudogenes for RPS6KB1 on chromosome 17.

Recommended Dilution

WB: 1: 500 - 1: 2000

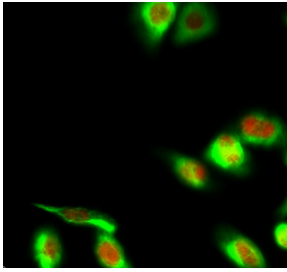
IHC: 1: 100 - 1: 300

IF: 1: 200 - 1: 1000

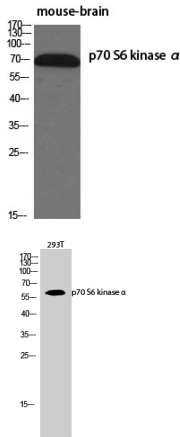
ELISA: 1: 40000

Not yet tested in other applications.

Images

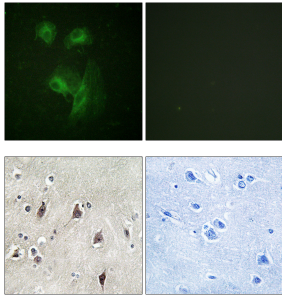


Immunofluorescence analysis of HeLa cell. 1, p70 S6 kinase α Polyclonal Antibody (red) was diluted at 1:200 (4° overnight). COX IV Monoclonal Antibody (6C8) (green) was diluted at 1:200 (4° overnight). 2, Goat Anti Rabbit Alexa Fluor 594 was diluted at 1:1000 (room temperature, 50min). Goat Anti Mouse Alexa Fluor 488 was diluted at 1:1000 (room temperature, 50min).



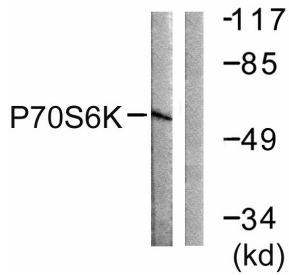
Western Blot analysis of various cells using p70 S6 kinase α Polyclonal Antibody diluted at 1:1000

Western Blot analysis of 293T cells using p70 S6 kinase α Polyclonal Antibody diluted at 1:1000



Immunofluorescence analysis of HeLa cells, using p70 S6 Kinase Antibody. The picture on the right is blocked with the synthesized peptide.

Immunohistochemistry analysis of paraffin-embedded human brain tissue, using p70 S6 Kinase Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from Jurkat cells, using p70 S6 Kinase Antibody. The lane on the right is blocked with the synthesized peptide.

Storage

-20°C for one year

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