

p70 S6 Kinase alpha Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP12706
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	Recombinant Protein of p70 S6 kinase α
Mol wt	N/A
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, IF, ICC, IHC-p
Concentration	
Full name	Ribosomal protein S6 kinase beta-1
Synonyms	Ribosomal protein S6 kinase beta-1; 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 ribosomal S6 kinase alpha; p70 S6 kinase alpha; p70 S6K-alpha; p70 S6KA

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

Background

This gene 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 this gene 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 this gene on chromosome 17.

Recommended Dilution

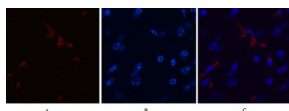
WB: 1: 1000 - 1: 2000

IHC: 1: 200 - 1: 500

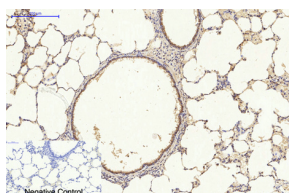
IF: 1: 200

Not yet tested in other applications.

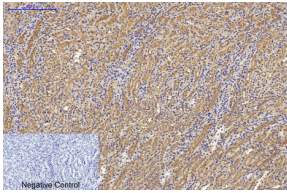
Images



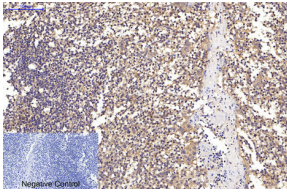
Immunofluorescence analysis of Mouse-brain tissue. 1, p70 S6 kinase α Polyclonal Antibody (Red) was diluted at 1:200 (4°C overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300 (room temperature, 50 min). 3, Picture B: DAPI (blue) 10 min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B



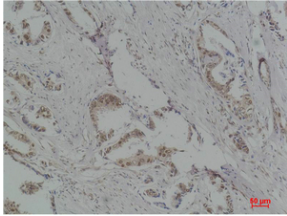
Immunohistochemical analysis of paraffin-embedded Human-Tonsil tissue. 1, p70 S6 kinase α Polyclonal Antibody was diluted at 1:200 (4°C overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98°C, 20 min). 3, Secondary antibody was diluted at 1:200 (room temperature, 30 min). Negative control was used by secondary antibody only.



Immunohistochemical analysis of paraffin-embedded Rat-lung tissue. 1,p70 S6 kinase α Polyclonal Antibody was diluted at 1:200(4°C overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



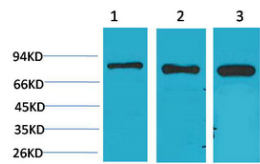
Immunohistochemical analysis of paraffin-embedded Mouse-kidney tissue. 1,p70 S6 kinase α Polyclonal Antibody was diluted at 1:200(4°C overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



Immunohistochemical analysis of paraffin-embedded Human Breast Carcinoma using p70 S6 kinase α Polyclonal Antibody.



Western blot analysis of 1) HeLa, 2) 3T3, 3) PC12 using p70 S6 kinase α Polyclonal Antibody. Secondary antibody was diluted at 1:20000



Western blot detection of p70S6 in human breast cancer cell line MCF-7(A), T47D(B), MDA-MB-231(C) and Cal51 (D) using p70S6 rabbit polyAb (YM3426, 1:1000 diluted).Predicted band size: 70kDa.Observed band size:70kDa. Picture was kindly provided by our customer from Tianjin Medical University Cancer Institute and Hospital

Storage

-20°C for 1 year

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