

Datasheet for ABIN702850
anti-RPS6KB2 antibody (pSer447, pThr444)

2 Images

[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	RPS6KB2
Binding Specificity:	pSer447, pThr444
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RPS6KB2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human p70 S6 Kinase Beta around the phosphorylation site of Thr444/Ser447
Isotype:	IgG
Cross-Reactivity:	Rat
Predicted Reactivity:	Human, Mouse, Dog, Cow, Pig, Horse, Chicken, Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	RPS6KB2
---------	---------

Target Details

Alternative Name:	p70 S6 Kinase Beta + (RPS6KB2 Products)
Background:	<p>Synonyms: p70 S6 KinaseThr444 + Ser447, P70 S6 Kinase beta phospho T444 + S447, 70 kDa ribosomal protein S6 kinase 2, p70 beta, p70 ribosomal S6 kinase beta, p70 S6 kinase beta, p70 S6KB, p70 S6Kbeta, p70S6K beta, p70-beta, p70-S6KB, p70S6Kb, Ribosomal protein S6 kinase 70 kDa, polypeptide 2, Ribosomal protein S6 kinase beta 2, Ribosomal protein S6 kinase beta-2, RPS6KB2, S6 kinase related kinase, S6 kinase-related kinase, S6K beta 2, S6K beta, S6K-beta, S6K2, Serine/threonine protein kinase 14 beta, Serine/threonine-protein kinase 14 beta, SRK, STK14B, KS6B1_HUMAN.</p> <p>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. [provided by RefSeq, Jan 2013].</p>
Pathways:	PI3K-Akt Signaling , RTK Signaling , AMPK Signaling , Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway

Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

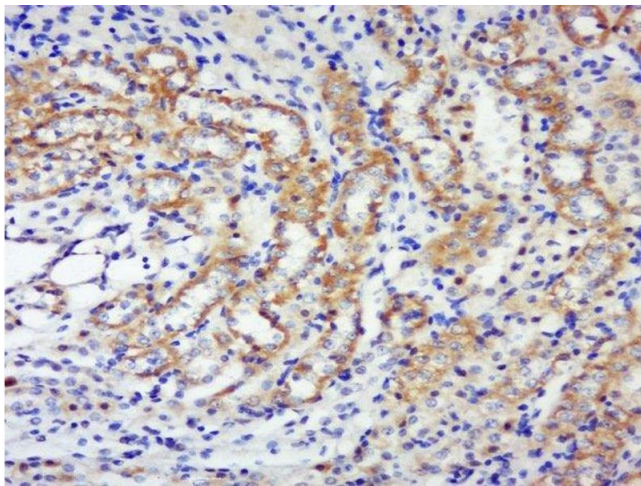
Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin

Handling

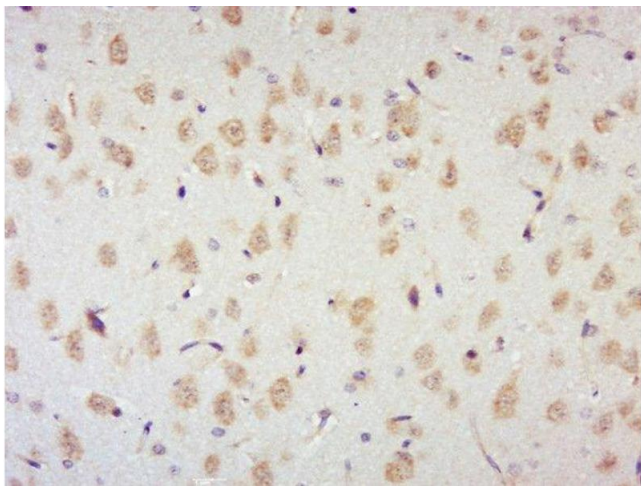
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Paraformaldehyde-fixed, paraffin embedded rat kidney, Antigen retrieval by boiling in sodium citrate buffer (pH6) for 15min, Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes, Blocking buffer (normal goat serum) at 37°C for 20min, Antibody incubation with p70 S6 Kinase Beta (Thr444 + Ser447) Antibody, Unconjugated at 1:400 overnight at 4°C, followed by a conjugated secondary and DAB staining.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Paraformaldehyde-fixed, paraffin embedded rat brain, Antigen retrieval by boiling in sodium citrate buffer (pH6) for 15min, Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes, Blocking buffer (normal goat serum) at 37°C for 20min, Antibody incubation with p70 S6 Kinase Beta (Thr444 + Ser447) Antibody, Unconjugated at 1:400 overnight at 4°C, followed by a conjugated secondary and DAB staining.