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anti-RPS6KB1 antibody (AA 277-306)





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Target:

Quantity:	400 μL
Target:	RPS6KB1
Binding Specificity:	AA 277-306
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RPS6KB1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))
Product Details	
lmmunogen:	This S6K (RPS6KB1) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 277-306 amino acids from the Central region of human S6K (RPS6KB1).
Clone:	RB11685
Isotype:	lg Fraction
Predicted Reactivity:	B, M, Rb, Rat
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

RPS6KB1

Target Details

Alternative Name:	S6K (RPS6KB1) (RPS6KB1 Products)	
Background:	This gene encodes a member of the RSK (ribosomal S6 kinase) family of serine/threonine kinases. This kinase contains 2 non-identical kinase catalytic domains and phosphorylates several residues of the S6 ribosomal protein. The kinase activity of this protein leads to an increase in protein synthesis and cell proliferation. Amplification of the region of DNA encodir the gene for RPS6KB1 and overexpression of this kinase are seen in some breast cancer cell lines.	
Molecular Weight:	59140	
Gene ID:	6198	
NCBI Accession:	NP_001258989, NP_003152	
UniProt:	P23443	
Pathways:	PI3K-Akt Signaling, RTK Signaling, AMPK Signaling, Regulation of Cell Size, Skeletal Muscle Fiber Development, Feeding Behaviour, G-protein mediated Events, Smooth Muscle Cell Migration, Interaction of EGFR with phospholipase C-gamma, Warburg Effect	

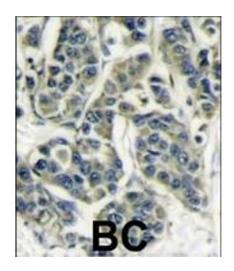
Application Details

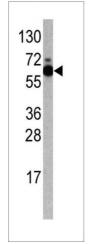
Expiry Date:

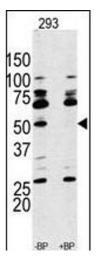
Application Notes:	WB: 1:1000. WB: 1:1000. WB: 1:1000. IHC-P: 1:50~100	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.	

Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.	
Preservative:	Sodium azide	
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.	
Storage:	4 °C,-20 °C	
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.	

6 months







Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human breast carcinoma reacted with RPS6KB1 Antibody (Center) (ABIN389685 and ABIN2839654), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.

Western Blotting

Image 2. Western blot analysis of anti-RPS6KB1 Antibody (Center) Pab (ABIN389685 and ABIN2839654) in Jurkat cell line lysates ($35\,\mu g$ /lane). RPS6KB1 Antibody (Center))(arrow) was detected using the purified Pab.

Western Blotting

Image 3. Western blot analysis of anti-RPS6KB1 Antibody (Center) Pab (ABIN389685 and ABIN2839654) preincubated with and without blocking peptide (BPNULL) in 293 cell line lysate. RPS6KB1 Antibody (Center)(arrow) was detected using the purified Pab.

Please check the product details page for more images. Overall 4 images are available for ABIN389685.