
Product Name: RPS6KB1 Mouse Monoclonal Antibody**Catalog #: AMM81087**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	IHC,ELISA,FC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide
Purification	Affinity Purification

Application

Dilution Ratio	IHC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	59kDa

Antigen Information

Gene Name	RPS6KB1
Alternative Names	S6K; PS6K; S6K1; STK14A; p70-S6K; p70-alpha; p70(S6K)-alpha
Gene ID	6198.0
SwissProt ID	P23443
Immunogen	Purified recombinant fragment of human RPS6KB1 expressed in E. Coli.

Background

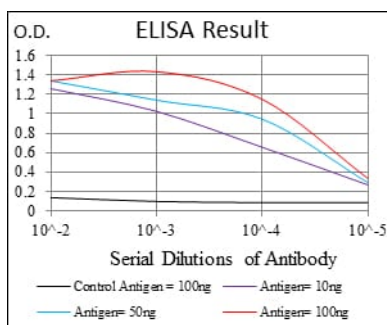
This gene encodes a member of the RSK (ribosomal S6 kinase) family of serine/threonine kinases. This kinase contains 2 non-identical kinase catalytic domains and phosphorylates several residues of the S6 ribosomal protein. The kinase activity of this protein leads to an increase in protein synthesis and cell proliferation. Amplification of the region of DNA encoding this gene

and overexpression of this kinase are seen in some breast cancer cell lines. Alternate translational start sites have been described and alternate transcriptional splice variants have been observed but have not been thoroughly characterized.

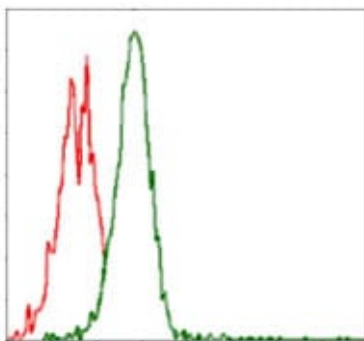
Research Area

Apoptosis, PI3K-Akt signaling pathway, mTOR signaling pathway

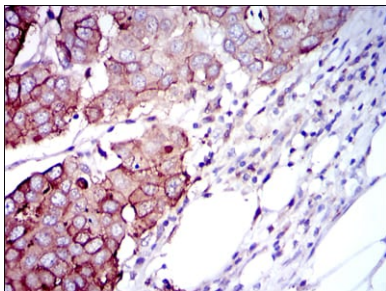
Image Data



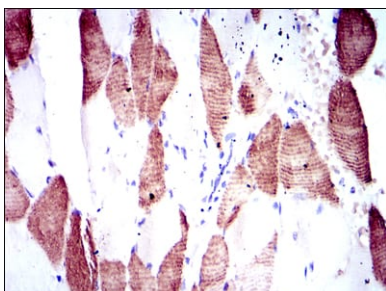
Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);



Flow cytometric analysis of Jurkat cells using RPS6KB1 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissues using RPS6KB1 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human muscle tissues using RPS6KB1 mouse mAb with DAB staining.