Product Name: **RPS6KA2 Mouse Monoclonal Antibody**
Catalog #: **AMM81383**
For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,IHC,ICC,ELISA,FC
Reactivity	Human,Mouse
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	WB 1:500-1:2000,IHC 1:200-1:1000,ICC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	83.2kDa

Antigen Information

Gene Name	RPS6KA2
Alternative Names	RSK; HU-2; RSK3; p90-RSK3; pp90RSK3; MAPKAPK1C; S6K-alpha; S6K-alpha2
Gene ID	6196.0
SwissProt ID	Q15349
Immunogen	Purified recombinant fragment of human RPS6KA2 (AA: 415-734) expressed in E. Coli.

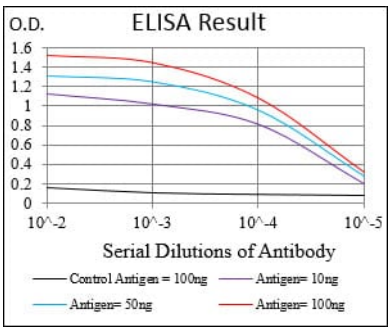
Background

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 various substrates, including members of the mitogen-activated kinase (MAPK) signalling pathway. The activity of this protein has been implicated in controlling cell growth and differentiation.

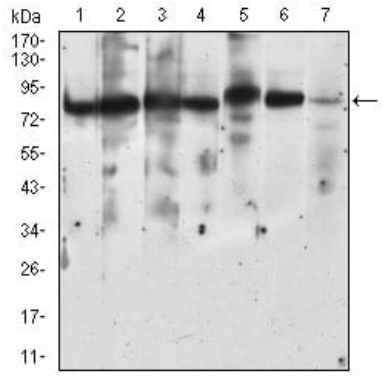
Alternate transcriptional splice variants, encoding different isoforms, have been characterized.

Research Area

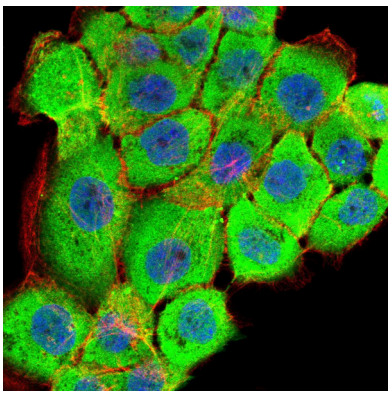
Image Data



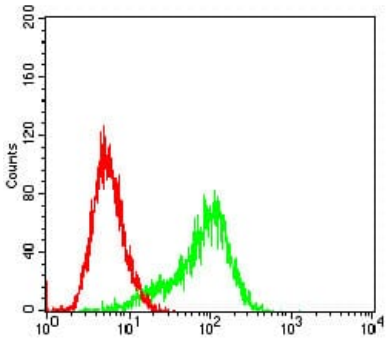
Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);



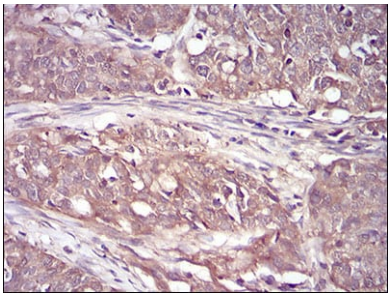
Western blot analysis using RPS6KA2 mouse mAb against Hela (1), A431 (2), HEK293 (3), Jurkat (4), HepG2 (5), MCF-7 (6), NIH/3T3 (7) cell lysate.



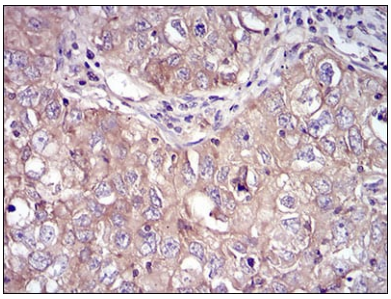
Immunofluorescence analysis of A431 cells using RPS6KA2 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin.



Flow cytometric analysis of Hela cells using RPS6KA2 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissues using RPS6KA2 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissues using RPS6KA2 mouse mAb with DAB staining.