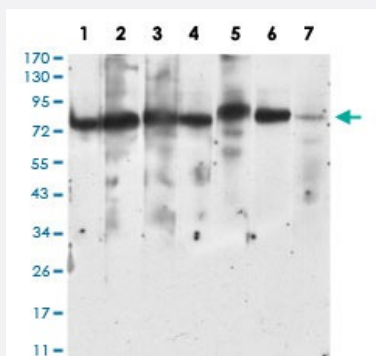


RPS6KA2 monoclonal antibody, clone 3C4C8

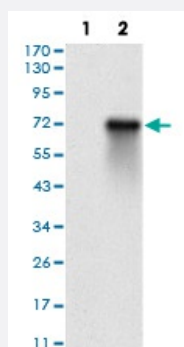
Catalog # MAB16615 Size 100 ug

Applications



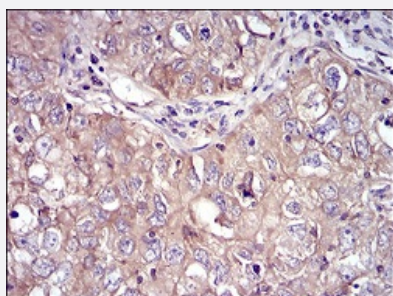
Western Blot (Cell lysate)

Western blot analysis of Lane 1: HeLa cell; Lane 2: A431 cell; Lane 3: HEK293 cell; Lane 4: Jurkat cell; Lane 5: HepG2 cell; Lane 6: MCF-7 cell and Lane 7: NIH/3T3 cell with RPS6KA2 monoclonal antibody.



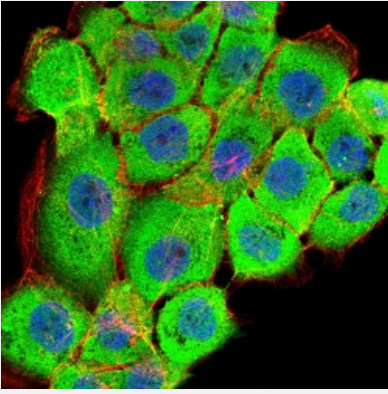
Western Blot (Transfected lysate)

Western blot analysis of Lane 1: HEK293 cell; Lane 2: RPS6KA2-hlgGFc transfected HEK293 cell with RPS6KA2 monoclonal antibody.



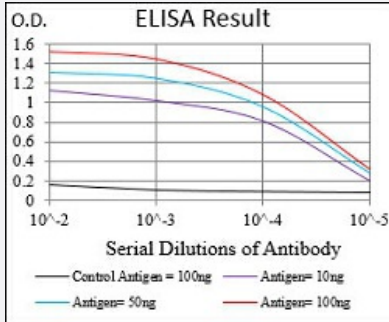
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of paraffin-embedded lung cancer tissues with RPS6KA2 monoclonal antibody.



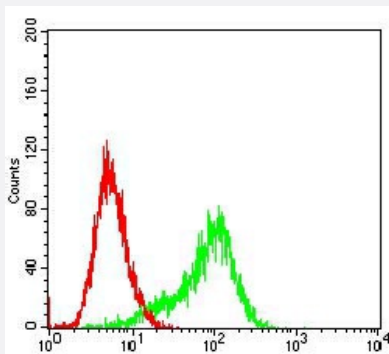
Immunocytochemistry

Immunocytochemical staining of A431 cells with RPS6KA2 monoclonal antibody (green). DRAQ5 fluorescent DNA dye (blue). Actin filaments labeled with Alexa Fluor-555 phalloidin (red).



Enzyme-linked Immunoabsorbent Assay

ELISA analysis of RPS6KA2 monoclonal antibody, clone 3C4C8.



Flow Cytometry

Flow cytometric analysis of HeLa cells with RPS6KA2 monoclonal antibody (green) and negative control (red).

Specification

Product Description	Mouse monoclonal antibody raised against recombinant human RPS6KA2.
Immunogen	Recombinant protein corresponding to amino acid 415-734 of human RPS6KA2 from <i>E. coli</i> .
Host	Mouse
Theoretical MW (kDa)	83.2
Reactivity	Human, Mouse
Form	Liquid
Isotype	IgG1

Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) Immunohistochemistry (1:200-1:1000) Immunocytochemistry (1:200-1:1000) Flow Cytometry (1:200-1:400) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of Lane 1: Hela cell; Lane 2: A431 cell; Lane 3: HEK293 cell; Lane 4: Jurkat cell; Lane 5: HepG2 cell; Lane 6: MCF-7 cell and Lane 7: NIH/3T3 cell with RPS6KA2 monoclonal antibody.

- Western Blot (Transfected lysate)

Western blot analysis of Lane 1: HEK293 cell; Lane 2: RPS6KA2-hlgGfc transfected HEK293 cell with RPS6KA2 monoclonal antibody.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of paraffin-embedded lung cancer tissues with RPS6KA2 monoclonal antibody.

- Immunocytochemistry

Immunocytochemical staining of A431 cells with RPS6KA2 monoclonal antibody (green). DRAQ5 fluorescent DNA dye (blue). Actin filaments labeled with Alexa Fluor-555 phalloidin (red).

- Enzyme-linked Immunoabsorbent Assay

ELISA analysis of RPS6KA2 monoclonal antibody, clone 3C4C8.

- Flow Cytometry

Flow cytometric analysis of Hela cells with RPS6KA2 monoclonal antibody (green) and negative control (red).

Gene Info — RPS6KA2

Entrez GeneID

[6196](#)

Gene Name	RPS6KA2
Gene Alias	HU-2, MAPKAPK1C, RSK, RSK3, S6K-alpha, S6K-alpha2, p90-RSK3, pp90RSK3
Gene Description	ribosomal protein S6 kinase, 90kDa, polypeptide 2
Omim ID	601685
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]
Other Designations	ribosomal S6 kinase 3 ribosomal protein S6 kinase alpha 2 ribosomal protein S6 kinase, 90kD, polypeptide 2

Pathway

- [Long-term potentiation](#)
- [MAPK signaling pathway](#)
- [mTOR signaling pathway](#)
- [Neurotrophin signaling pathway](#)

Disease

- [Tobacco Use Disorder](#)