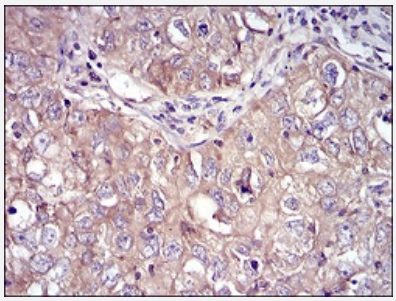
RPS6KA2 monoclonal antibody, clone 3C4C8

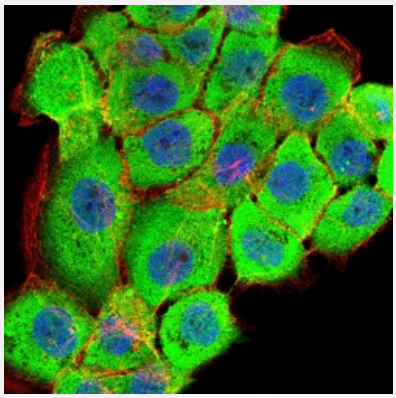
Catalog # MAB16615 Size 100 ug

Applications



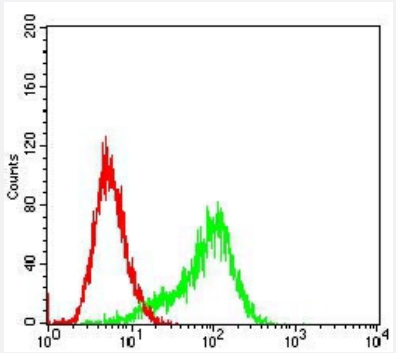
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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



Immunocytochemistry

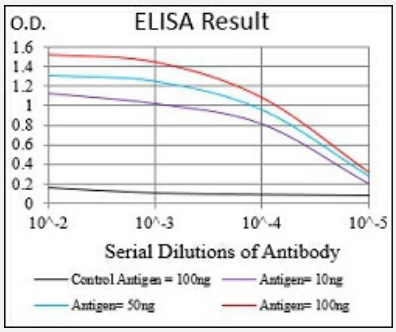
Immunocytochemical staining of A431 cells with RPS6KA2 monoclonal antibody (green). DRAQ5 fluorescent DNA dye (blue). Actin filaments labeled with Alexa Fluor-555 phalloidin (red).



Flow Cytometry

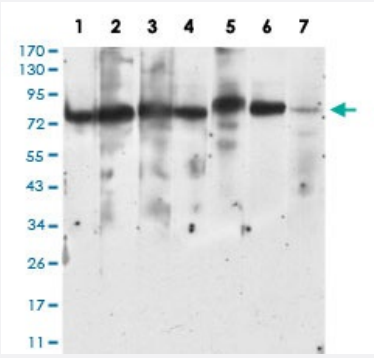
Flow cytometric analysis of Hela cells with RPS6KA2 monoclonal antibody (green) and negative control (red).

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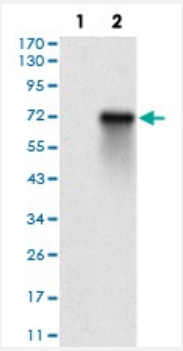
Enzyme-linked Immunoabsorbent Assay

ELISA analysis of RPS6KA2 monoclonal antibody, clone 3C4C8.



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-hIgGFc transfected HEK293 cell with RPS6KA2 monoclonal antibody.

Specification

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

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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 shoul d be handled by trained staff only.

Applications

- 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).

- Flow Cytometry

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

- Enzyme-linked Immunoabsorbent Assay

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- Western Blot (Cell lysate)

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- Western Blot (Transfected lysate)

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

Gene Info — RPS6KA2

Entrez GeneID	6196

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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

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