

RPS6KA2 Antibody
Purified Mouse Monoclonal Antibody
Catalog # AO1964a**Specification****RPS6KA2 Antibody - Product Information**

Application	WB, IHC, FC, ICC, E
Primary Accession	Q15349
Reactivity	Human, Mouse
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	83.2kDa KDa

Description

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.

Immunogen

Purified recombinant fragment of human RPS6KA2 (AA: 415-734) expressed in E. Coli.

Formulation

Purified antibody in PBS with 0.05% sodium azide.

RPS6KA2 Antibody - Additional Information**Gene ID 6196****Other Names**

Ribosomal protein S6 kinase alpha-2, S6K-alpha-2, 2.7.11.1, 90 kDa ribosomal protein S6 kinase 2, p90-RSK 2, p90RSK2, MAP kinase-activated protein kinase 1c, MAPK-activated protein kinase 1c, MAPKAP kinase 1c, MAPKAPK-1c, Ribosomal S6 kinase 3, RSK-3, pp90RSK3, RPS6KA2, MAPKAPK1C, RSK3

Dilution

WB~~1/500 - 1/2000
IHC~~1/200 - 1/1000
FC~~1/200 - 1/400
ICC~~N/A
E~~1/10000

Storage

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.

Precautions

RPS6KA2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

RPS6KA2 Antibody - Protein Information

Name RPS6KA2

Synonyms MAPKAPK1C, RSK3

Function

Serine/threonine-protein kinase that acts downstream of ERK (MAPK1/ERK2 and MAPK3/ERK1) signaling and mediates mitogenic and stress-induced activation of transcription factors, regulates translation, and mediates cellular proliferation, survival, and differentiation. May function as tumor suppressor in epithelial ovarian cancer cells.

Cellular Location

Nucleus. Cytoplasm

Tissue Location

Widely expressed with higher expression in lung, skeletal muscle, brain, uterus, ovary, thyroid and prostate

RPS6KA2 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)