

Anti-RSK3 Antibody

Catalog # AP96041

Product Information

Application	WB, IHC, FC, IF/IC
Primary Accession	Q15349
Reactivity	Human, Mouse
Host	Mouse
Clonality	Monoclonal
Calculated MW	83239

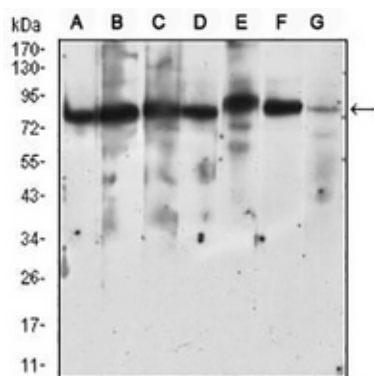
Additional Information

Gene ID	6196
Other Names	MAPKAPK1C; RSK3; Ribosomal protein S6 kinase alpha-2; S6K-alpha-2; 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
Target/Specificity	Recombinant fusion protein of human RSK3 expressed in E. Coli
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 FC~~FC (1/100 - 1/200) IF/IC~~N/A
Format	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

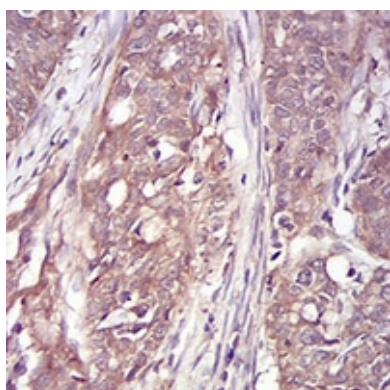
Protein Information

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

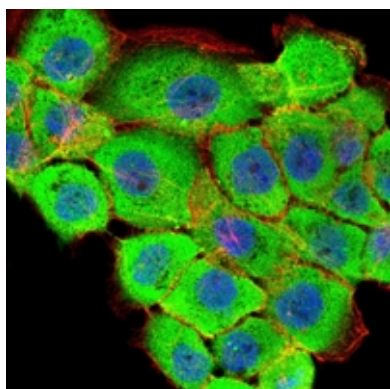
Images



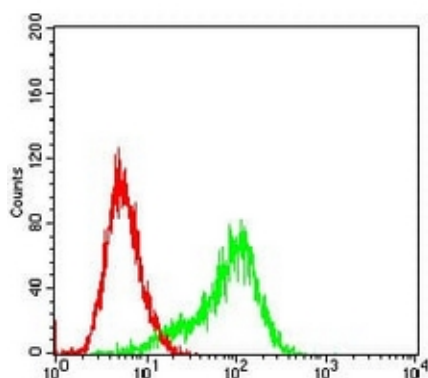
Western blot analysis of RSK3 expression in HeLa (A), A431 (B), HEK293 (C), Jurkat (D), HepG2 (E), MCF7 (F), NIH/3T3 (G) whole cell lysates. (Predicted band size: 83 kD; Observed band size: 83 kD)



Immunohistochemical analysis of RSK3 staining in human cervical cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of RSK3 staining in A431 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).



Flow cytometric analysis of HeLa cells using Anti-RSK3 Antibody (green) and negative control (red).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.