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RSK3 Rabbit mAb

Catalog # AP76289

Product Information

Application	WB, IHC-P, IP
Primary Accession	Q15349
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Purification	Affinity Purified
Calculated MW	83239

Additional Information

Gene ID	6196
Other Names	RPS6KA2
Dilution	WB~~1:500-1:1000 IHC-P~~N/A IP~~1:50-1:100
Format	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

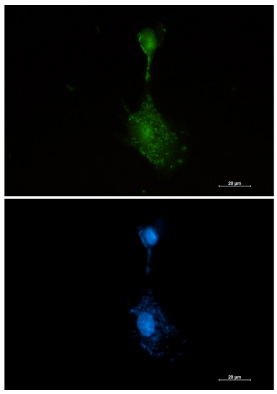
Protein Information

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

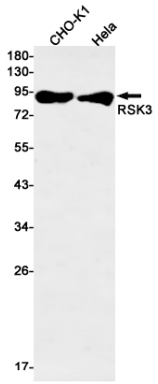
Background

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.

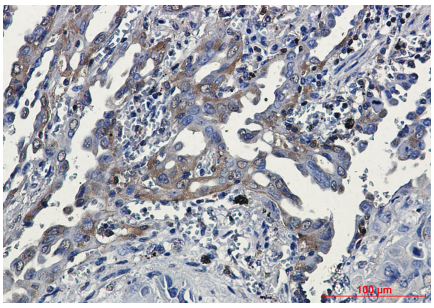
Images



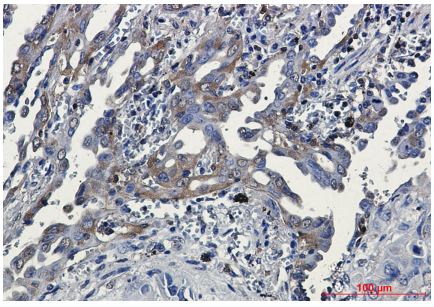
Immunocytochemistry analysis of RSK3 (green) in U87-MG using RSK3 antibody,and DAPI(blue).



Western blot analysis of RSK3 in CHO-K1, Hela lysates using RSK3 antibody.



Immunohistochemistry analysis of paraffin-embedded Human lung cancer tissue using RSK3 antibody.High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



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