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Anti-S6K2 Antibody

Catalog # AP60628

Product Information

Application	WB, IHC
Primary Accession	Q9UBS0
Reactivity	Human, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	53455

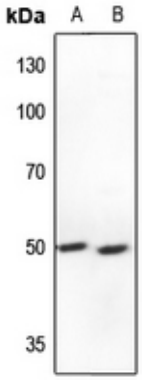
Additional Information

Gene ID	6199
Other Names	STK14B; Ribosomal protein S6 kinase beta-2; S6K-beta-2; S6K2; 70 kDa ribosomal protein S6 kinase 2; P70S6K2; p70-S6K 2; S6 kinase-related kinase; SRK; Serine/threonine-protein kinase 14B; p70 ribosomal S6 kinase beta; S6K-beta; p70 S6 kinase beta; p70 S6K-beta; p70 S6KB; p70-beta
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human S6K2. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000), IHC (1/100 - 1/200) IHC~~WB (1/500 - 1/1000), IHC (1/100 - 1/200)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

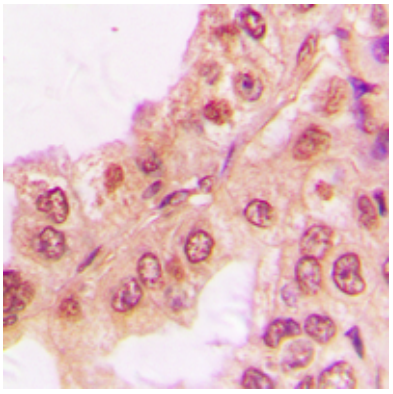
Protein Information

Name	RPS6KB2
Synonyms	STK14B
Function	Phosphorylates specifically ribosomal protein S6 (PubMed: 29750193). Seems to act downstream of mTOR signaling in response to growth factors and nutrients to promote cell proliferation, cell growth and cell cycle progression in an alternative pathway regulated by MEAK7 (PubMed:29750193).
Cellular Location	Cytoplasm. Nucleus.

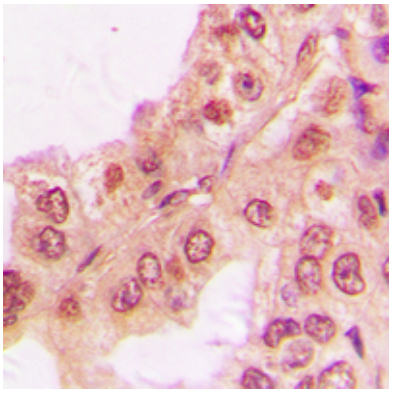
Images



Western blot analysis of S6K2 expression in HEK293T (A), rat liver (B) whole cell lysates. (Predicted band size: 53 kD; Observed band size: 53 kD)



Immunohistochemical analysis of S6K2 staining in human lung 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.



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