ARG52418
anti-p90 RSK2 antibody

Package: 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes p90 RSK2
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Bov, Chk, Dog
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	p90 RSK2
Species	Mouse
Immunogen	Synthetic peptide corresponding to amino acid residues from the C-terminal region of p90 RSK2 conjugated to KLH
Conjugation	Un-conjugated
Alternate Names	Ribosomal S6 kinase 3; S6K-alpha2; MAPKAPK-1c; MAPKAP kinase 1c; RSK; HU-2; S6K-alpha; p90RSK2; RSK-3; p90-RSK 2; MAPKAPK1C; p90-RSK3; pp90RSK3; 90 kDa ribosomal protein S6 kinase 2; MAP kinase-activated protein kinase 1c; EC 2.7.11.1; Ribosomal protein S6 kinase alpha-2; RSK3; S6K-alpha-2; MAPK-activated protein kinase 1c

Application Instructions

Application table

Application	Dilution
WB	1:1000

Application Note: Specific for ~90k RSK2 protein.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

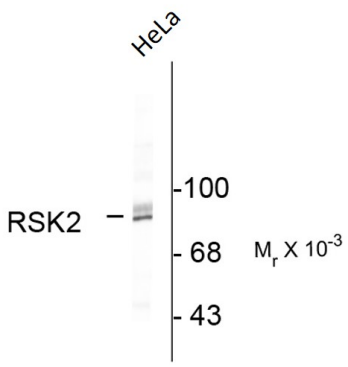
Properties

Form	Liquid
Purification	Affinity Purified
Buffer	10 mM HEPES (pH 7.5), 150 mM NaCl, 0.1 mg/ml BSA and 50% Glycerol
Stabilizer	0.1 mg/ml BSA, 50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 6196 Human Swiss-port # Q15349 Human
Gene Symbol	RPS6KA2
Gene Full Name	ribosomal protein S6 kinase, polypeptide 2
Background	The p90 ribosomal S6 kinases (RSK)1–4 are downstream members of the extracellular signal-regulated kinase (ERK)/MAPK cascade. The loss of RSK2 activity in humans leads to Coffin–Lowry syndrome, which is characterized by mental retardation and growth deficits (Hanauer and Young, 2002). Recent work suggests that RSK2 exerts a tonic regulation on G-protein coupled signaling (Sheffler et al., 2006).
Research Area	Gene Regulation antibody; Signaling Transduction antibody
Calculated Mw	83 kDa
PTM	Activated by phosphorylation at Ser-218 by PDPK1. Autophosphorylated on Ser-377, as part of the activation process. May be phosphorylated at Thr-356 and Ser-360 by MAPK1/ERK2 and MAPK3/ERK1 (By similarity). N-terminal myristoylation results in an activated kinase in the absence of added growth factors.

Images



ARG52418 anti-p90 RSK2 antibody WB image

Western blot: HeLa cell lysate showing specific immunolabeling of the ~90 kDa of RSK2 protein stained with ARG52418 anti-p90 RSK2 antibody.