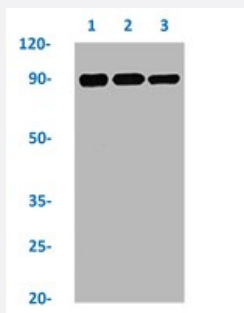


RecomAb™

RPS6KA1 (phospho S380) recombinant monoclonal antibody, clone 1E11

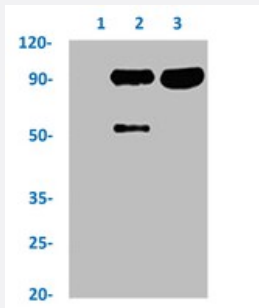
Catalog # RAB04242 Size 100 uL

Applications



Western Blot

Western blot analysis of Lane 1: A549 whole cell lysate, Lane 2: HeLa whole cell lysate and Lane 3: HepG2 whole cell lysate with RPS6KA1 (phospho S380) recombinant monoclonal antibody, clone 1E11 (Cat # RAB04242).



Immunoprecipitation

Immunoprecipitation analysis of HeLa cell lysate with RPS6KA1 (phospho S380) recombinant monoclonal antibody, clone 1E11 (Cat # RAB04242). Lane 1: rabbit control IgG, Lane 2: RAB04242 precipitates and Lane 3 : Input (HeLa whole cell lysates).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human RPS6KA1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic phosphopeptide corresponding to residues surrounding S380 of human RPS6KA1.
Theoretical MW (kDa)	Calculated MW: 90 kD
Reactivity	Human

Form	Liquid
Purification	Affinity chromatography
Isotype	IgG
Recommend Usage	ELISA Immunoprecipitation (1:200-1:1000) Western Blot (1:500-1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150mM NaCl, 50% glycerol and 0.02% sodium azide)
Storage Instruction	Store at -20 °C or -80 °C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western blot analysis of Lane 1: A549 whole cell lysate, Lane 2: HeLa whole cell lysate and Lane 3: HepG2 whole cell lysate with RPS6KA1 (phospho S380) recombinant monoclonal antibody, clone 1E11 (Cat # RAB04242).

- Immunoprecipitation

Immunoprecipitation analysis of HeLa cell lysate with RPS6KA1 (phospho S380) recombinant monoclonal antibody, clone 1E11 (Cat # RAB04242).

Lane 1: rabbit control IgG, Lane 2: RAB04242 precipitates and Lane 3 : Input (HeLa whole cell lysates).

- Enzyme-linked Immunoabsorbent Assay

Gene Info — RPS6KA1

Entrez GeneID	6195
Protein Accession#	Q15418
Gene Name	RPS6KA1
Gene Alias	HU-1, MAPKAPK1A, RSK, RSK1
Gene Description	ribosomal protein S6 kinase, 90kDa, polypeptide 1
Omim ID	601684

Gene Ontology

[Hyperlink](#)

Gene Summary

This gene encodes a member of the RSK (ribosomal S6 kinase) family of serine/threonine kinases. This kinase contains 2 nonidentical 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. [provided by RefSeq]

Other Designations

OTTHUMP00000004113|S6K-alpha 1|dJ590P13.1 (ribosomal protein S6 kinase, 90kD, polypeptide 1)|p90-RSK 1|ribosomal protein S6 kinase alpha 1|ribosomal protein S6 kinase, 90kD, 1|ribosomal protein S6 kinase, 90kD, polypeptide 1

Pathway

- [Long-term potentiation](#)
- [MAPK signaling pathway](#)
- [mTOR signaling pathway](#)
- [Neurotrophin signaling pathway](#)

Disease

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)