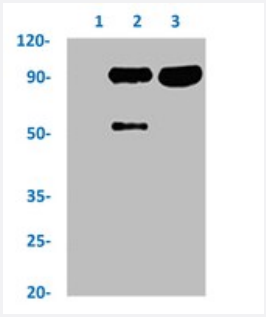
RecomAb™ Sm Size

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

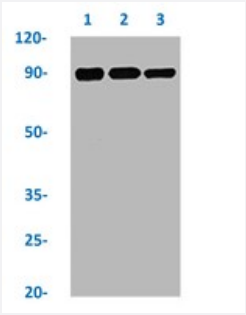
Catalog # RAB08057 Size 50 uL

Applications



Immunoprecipitation

Immunoprecipitation analysis of HeLa cell lysate with RPS6KA1 (phospho S380) recombinant monoclonal antibody.
Lane 1: rabbit control IgG,
Lane 2: RAB08057 precipitates and
Lane 3 : Input (Hela whole cell lysates).



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.

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 surroundin g S380 of human RPS6KA1.
Theoretical MW (kDa)	Calculated MW: 90 kD
Reactivity	Human

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Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
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 shoul d be handled by trained staff only.

Applications

- Enzyme-linked Immunoabsorbent Assay

- Immunoprecipitation

  Immunoprecipitation analysis of HeLa cell lysate with RPS6KA1 (phospho S380) recombinant monoclonal antibody.
  Lane 1: rabbit control IgG,
  Lane 2: RAB08057 precipitates and
  Lane 3 : Input (Hela whole cell lysates).

- 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.

Gene Info — RPS6KA1

Entrez GeneID	6195
Protein Accession#	Q15418
Gene Name	RPS6KA1

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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

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