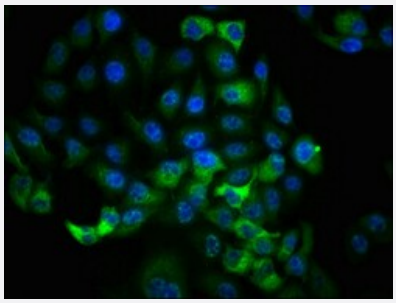
RecomAb™ Sm Size

RPS6KA1 (phospho T359/S363) recombinant monoclonal antibody, clone 1B6

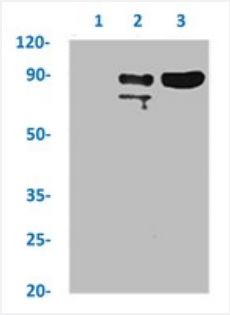
Catalog # RAB08005 Size 50 uL

Applications



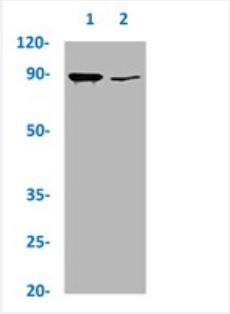
Immunofluorescence

Immunofluorescent staining of Hela cells with RPS6KA1 (phospho T359/S363) recombinant monoclonal antibody (diluated at 1:100). The secondary antibody was Alexa Fluor 488-congugated goat anti-rabbit IgG (green). Counter-stain DAPI was used (blue).



Immunoprecipitation

Immunoprecipitation analysis of HeLa whole cell lysate with RPS6KA1 (phospho T359/S363) recombinant monoclonal antibody.
Lane 1: rabbit control IgG,
Lane 2: RAB08005 precipitates and
Lane 3 : Input (Hela whole cell lysates).



Western Blot

Western blot analysis of HepG2 whole cell lysate with RPS6KA1 (phospho T359/S363) recombinant monoclonal antibody.
Lane 1: Treated with EGF 100 ng/ml 20mins and
Lane 2: Not treated with EGF.

Specification

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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 T359/S363 of human RPS6KA1.
Theoretical MW (kDa)	Calculated MW: 90 kD
Reactivity	Human
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Affinity chromatography
Isotype	IgG
Recommend Usage	ELISA Immunofluorescence (1:20-1:200) 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

- Immunofluorescence

  Immunofluorescent staining of Hela cells with RPS6KA1 (phospho T359/S363) recombinant monoclonal antibody (diluated at 1:100). The secondary antibody was Alexa Fluor 488-congugated goat anti-rabbit IgG (green). Counter-stain DAPI was used (blue).

- Enzyme-linked Immunoabsorbent Assay

- Immunoprecipitation

  Immunoprecipitation analysis of HeLa whole cell lysate with RPS6KA1 (phospho T359/S363) recombinant monoclonal antibody.
  Lane 1: rabbit control IgG,
  Lane 2: RAB08005 precipitates and
  Lane 3 : Input (Hela whole cell lysates).

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- Western Blot

Western blot analysis of HepG2 whole cell lysate with RPS6KA1 (phospho T359/S363) recombinant monoclonal antibody.
Lane 1: Treated with EGF 100 ng/ml 20mins and
Lane 2: Not treated with EGF.

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 kinase s. This kinase contains 2 nonidentical kinase catalytic domains and phosphorylates various substr ates, 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 transcript ional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq
Other Designations	OTTHUMP00000004113|S6K-alpha 1|dJ590P13.1 (ribosomal protein S6 kinase, 90kD, polypep tide 1)|p90-RSK 1|ribosomal protein S6 kinase alpha 1|ribosomal protein S6 kinase, 90kD, 1|ribo somal protein S6 kinase, 90kD, polypeptide 1

Pathway

- Long-term potentiation
- MAPK signaling pathway
- mTOR signaling pathway
- Neurotrophin signaling pathway

Disease

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- Breast cancer
- Breast Neoplasms
- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Kidney Failure

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