RecomAb™

RPS6KA1 recombinant monoclonal antibody, clone R02-2D2

Catalog # RAB04810 Size 100 uL

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human RPS6KA1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human RPS6KA1.
Theoretical MW (kDa)	Calculated MW: 83 kD
Reactivity	Human
Form	Liquid
Purification	Affinity chromatography
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-1:100) Immunoprecipitation (1:20) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot
- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
- Immunoprecipitation

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