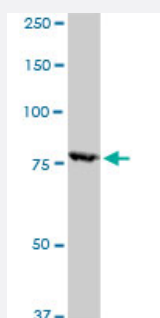


RPS6KA1 monoclonal antibody (M02), clone 4E11

Catalog # H00006195-M02

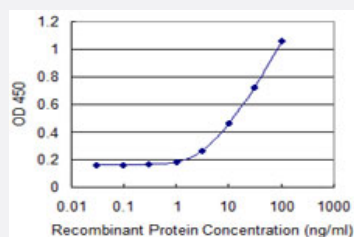
Size 100 ug

Applications



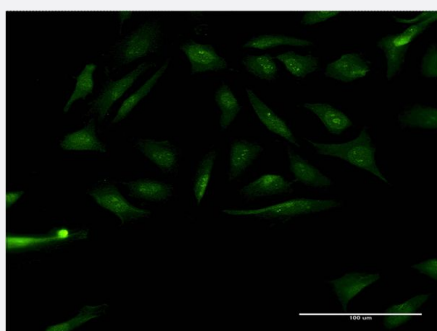
Western Blot (Cell lysate)

RPS6KA1 monoclonal antibody (M02), clone 4E11. Western Blot analysis of RPS6KA1 expression in K-562 (Cat # L009V1).



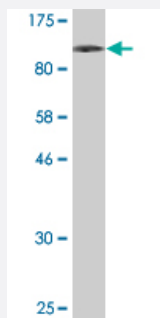
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged RPS6KA1 is 1 ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to RPS6KA1 on HeLa cell .
[antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (106.2599 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant RPS6KA1.
Immunogen	RPS6KA1 (AAH14966.1, 1 a.a. ~ 735 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MPLAQLKEPWPLMELVPLDPENGQTSGEELQPSKDEGLKEISITHHVKAGSEKADPSHFEL LKVLGQGSFGKVFLVRKVTRPDSGHLAYAMKVLKKATLKVRDRVRTKMERDILADVNHPFVVKLHY AFQTEGKLYLILDFLRGGDLFTRLSKEVMFTEEDVKFYLAELALGLDHLHSLGIYRDLKPENILLDE EGHIKLTDFGLSKEAIDHEKKAYSFCGTVEYMAPEVVNRQGHSHSADWWSYGVLMFEMLTGSLP FQGKDRKETMTLILKAKLGMPQFLSTEAQSLLRALFKRNPANRLGSGPDGAEEIKRHVFYSTIDWN KLYRREIKPPFKPAVAQPDDTFYDTEFTSRTPKDSPGIPPSAGAHQLFRGFSFVATGLMEDDGK PRAPQAPLHSVQQLHGKNLVFSDGYVVKETIGVGSYSECKRCVHKATNMEYAVKVIDKSKRDP SEEIEILLRYGQHPNIITLKDVYDDGKHVYLVTELMRGGELLDKILRQKFFSEREASFVLHTIGKTVEY LHSQGVVHRDLKPSNILYVDESGNPECLRICDFGFAKQLRAENGLLMTPCYTANFVAPEVLKRQG YDEGCDWSLGYLLYTMLAGYTPFANGPSDTPEEILTRIGSGKFTLSGGNWNVTSETAKDLVSKMLH VDPHQRLTAKQVLQHPWVTQKDKLPQSQLSHQDLQLVKGAMAATYSALNSSKPTPQLKPIESSIL AQRRVRKLPSTTL
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (99)
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (106.2599 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

RPS6KA1 monoclonal antibody (M02), clone 4E11. Western Blot analysis of RPS6KA1 expression in K-562(Cat # L009V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged RPS6KA1 is 1 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to RPS6KA1 on HeLa cell . [antibody concentration 10 ug/ml]

Gene Info — RPS6KA1

Entrez GeneID [6195](#)

GeneBank Accession# [BC014966](#)

Protein Accession# [AAH14966.1](#)

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 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 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, 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](#)