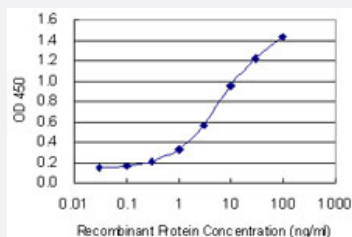


RPS6KB1 monoclonal antibody (M06), clone 1E24

Catalog # H00006198-M06

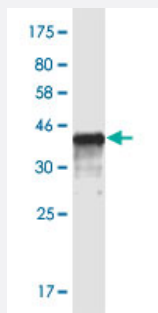
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged RPS6KB1 is 0.1 ng/ml as a capture antibody.



Western Blot detection against Immunogen (37.84 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant RPS6KB1.
Immunogen	RPS6KB1 (NP_003152, 416 a.a. ~ 525 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	PSVLESVKEKFSFEPKIRSPRRFIGSPRTPVSPVKFSPGDFWGRGASASTANPQTPVEYPMETS GIEQMDVTMSGASAPLPIRQPNSGPYKKQAFPMISKRPEHLRMNL
Host	Mouse
Reactivity	Human
Isotype	IgG2b Kappa

Quality Control Testing

Antibody Reactive Against Recombinant Protein.
Western Blot detection against Immunogen (37.84 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 (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged RPS6KB1 is 0.1 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — RPS6KB1

Entrez GeneID

[6198](#)

GeneBank Accession#

[NM_003161](#)

Protein Accession#

[NP_003152](#)

Gene Name

RPS6KB1

Gene Alias

PS6K, S6K, S6K1, STK14A, p70(S6K)-alpha, p70-S6K, p70-alpha

Gene Description

ribosomal protein S6 kinase, 70kDa, polypeptide 1

Omim ID

[608938](#)

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 non-identical kinase catalytic domains and phosphorylates several residues of the S6 ribosomal protein. The kinase activity of this protein leads to an increase in protein synthesis and cell proliferation. Amplification of the region of DNA encoding this gene and overexpression of this kinase are seen in some breast cancer cell lines. Alternate translational start sites have been described and alternate transcriptional splice variants have been observed but have not been thoroughly characterized. [provided by RefSeq]

Other Designations

p70 S6 kinase, alpha 1|p70 S6 kinase, alpha 2|ribosomal protein S6 kinase, 70kD, polypeptide 1
|serine/threonine kinase 14 alpha

Pathway

- [Acute myeloid leukemia](#)
- [ErbB signaling pathway](#)
- [Fc gamma R-mediated phagocytosis](#)
- [Insulin signaling pathway](#)
- [mTOR signaling pathway](#)
- [TGF-beta signaling pathway](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Head and Neck Neoplasms](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)