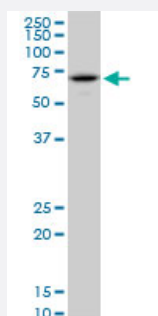


RPS6KB1 monoclonal antibody (M03), clone 2C2

Catalog # H00006198-M03

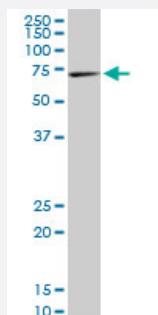
Size 100 ug

Applications



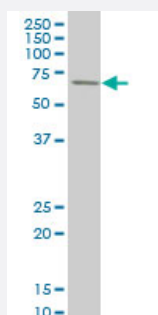
Western Blot (Cell lysate)

RPS6KB1 monoclonal antibody (M03), clone 2C2. Western Blot analysis of RPS6KB1 expression in Raw 264.7(Cat # L024V1).



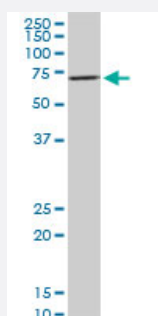
Western Blot (Cell lysate)

RPS6KB1 monoclonal antibody (M03), clone 2C2. Western Blot analysis of RPS6KB1 expression in NIH/3T3(Cat # L018V1).



Western Blot (Cell lysate)

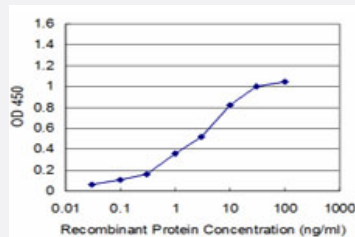
RPS6KB1 monoclonal antibody (M03), clone 2C2 Western Blot analysis of RPS6KB1 expression in A-431 (Cat # L015V1).



Western Blot (Cell lysate)

RPS6KB1 monoclonal antibody (M03), clone 2C2. Western Blot analysis of RPS6KB1 expression in PC-12(Cat # L012V1).

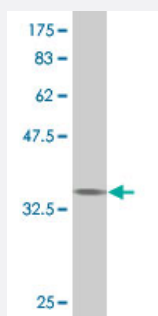
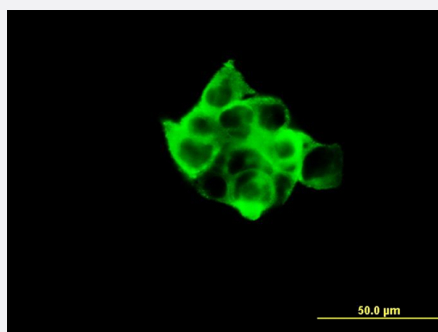
Sandwich ELISA (Recombinant protein)



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

Immunofluorescence

Immunofluorescence of monoclonal antibody to RPS6KB1 on A-431 cell.
[antibody concentration 10 ug/ml]



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 GIEQMDVTMSGEASAPLPIRQPNSGPYKKQAFPMISKRPEHLRMNL
Host	Mouse
Reactivity	Human, Mouse, Rat
Isotype	IgG1 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 (Cell lysate)

RPS6KB1 monoclonal antibody (M03), clone 2C2. Western Blot analysis of RPS6KB1 expression in Raw 264.7 (Cat # L024V1).

[Protocol Download](#)

- Western Blot (Cell lysate)

RPS6KB1 monoclonal antibody (M03), clone 2C2. Western Blot analysis of RPS6KB1 expression in NIH/3T3 (Cat # L018V1).

[Protocol Download](#)

- Western Blot (Cell lysate)

RPS6KB1 monoclonal antibody (M03), clone 2C2 Western Blot analysis of RPS6KB1 expression in A-431 (Cat # L015V1).

[Protocol Download](#)

- Western Blot (Cell lysate)

RPS6KB1 monoclonal antibody (M03), clone 2C2. Western Blot analysis of RPS6KB1 expression in PC-12 (Cat # L012V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

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

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to RPS6KB1 on A-431 cell. [antibody concentration 10 ug/ml]

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 kinases. 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](#)