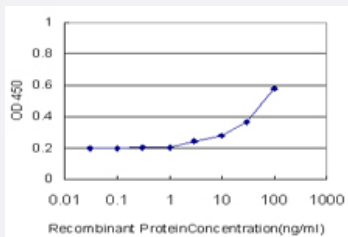


RPS6 monoclonal antibody (M01), clone 3H1-F2

Catalog # H00006194-M01

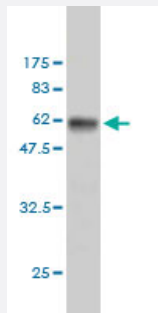
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged RPS6 is approximately 3ng/ml as a capture antibody.



Western Blot detection against Immunogen (53.13 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant RPS6.
Immunogen	RPS6 (AAH00524, 1 a.a. ~ 249 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MKLNISFPATGCQKLIIEVDDERKLRTFYEKRMATEVAADALGEEWKGYVVRISGGNDKQGFPMK QGVLT HGRVRLLLSKGHSCYRPRRTGERKRKSVRGCIVDANLSVLNLVVKKGKEDIPGLD TTVP RRLGPKRASRIRKLFNLSKEDDVRQYVVRKPLNKEGKKPRTKAPKIQRLVTPRVLQHKRRRIALKK QRTKKNKEEAAYAKLLAKRMKEAKEKRQE QIAKRRRLSSLRASTSKSESSQK
Host	Mouse
Reactivity	Human

Isotype	IgG1 kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (53.13 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 RPS6 is approximately 3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — RPS6

Entrez GeneID	6194
GeneBank Accession#	BC000524
Protein Accession#	AAH00524
Gene Name	RPS6
Gene Alias	-
Gene Description	ribosomal protein S6
Omim ID	180460
Gene Ontology	Hyperlink

Gene Summary

Ribosomes, the organelles that catalyze protein synthesis, consist of a small 40S subunit and a large 60S subunit. Together these subunits are composed of 4 RNA species and approximately 80 structurally distinct proteins. This gene encodes a cytoplasmic ribosomal protein that is a component of the 40S subunit. The protein belongs to the S6E family of ribosomal proteins. It is the major substrate of protein kinases in the ribosome, with subsets of five C-terminal serine residues phosphorylated by different protein kinases. Phosphorylation is induced by a wide range of stimuli, including growth factors, tumor-promoting agents, and mitogens. Dephosphorylation occurs at growth arrest. The protein may contribute to the control of cell growth and proliferation through the selective translation of particular classes of mRNA. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. [provided by RefSeq]

Other Designations

40S ribosomal protein S6|OTTHUMP00000021120|phosphoprotein NP33

Pathway

- [Insulin signaling pathway](#)
- [mTOR signaling pathway](#)
- [Ribosome](#)