10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

RPS23 Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a partial recombinant RPS23.
Catalog # AT3715a

Specification

RPS23 Antibody (monoclonal) (M02) - Product Information

Application	**IF, WB, E**
Primary Accession	P62266
Other Accession	NM_001025
Reactivity	**Human, Mouse, Rat**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG2a Kappa**
Calculated MW	**15808**

RPS23 Antibody (monoclonal) (M02) - Additional Information

Gene ID 6228

Other Names
40S ribosomal protein S23, RPS23

Target/Specificity
RPS23 (NP_001016, 44 a.a. ~ 143 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution
WB~~1:500~1000

Format
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage
Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions
RPS23 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

RPS23 Antibody (monoclonal) (M02) - Protocols

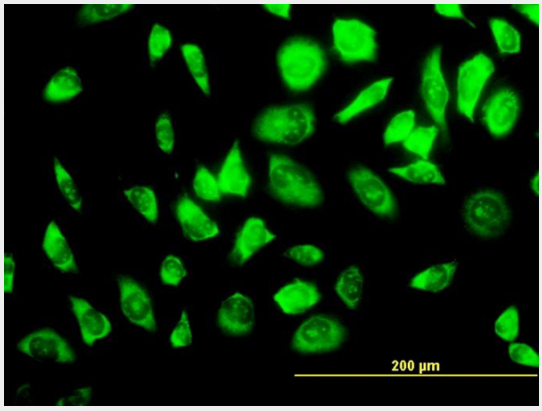
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry

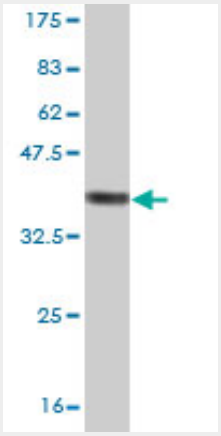
10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

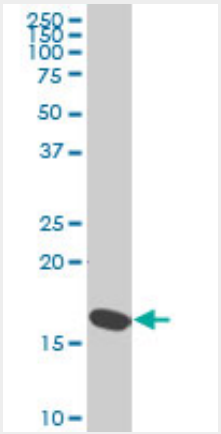
RPS23 Antibody (monoclonal) (M02) - Images



Immunofluorescence of monoclonal antibody to RPS23 on HeLa cell. [antibody concentration 10 ug/ml]

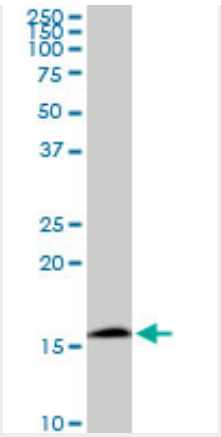


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.74 KDa) .

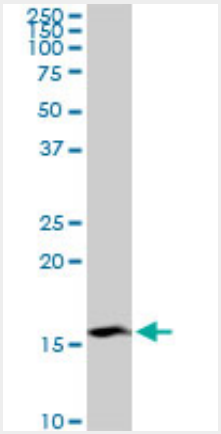


RPS23 monoclonal antibody (M02), clone 1E3 Western Blot analysis of RPS23 expression in HeLa ((Cat # AT3715a)

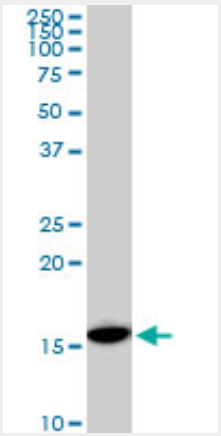
10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999



RPS23 monoclonal antibody (M02), clone 1E3. Western Blot analysis of RPS23 expression in PC-12((Cat # AT3715a)

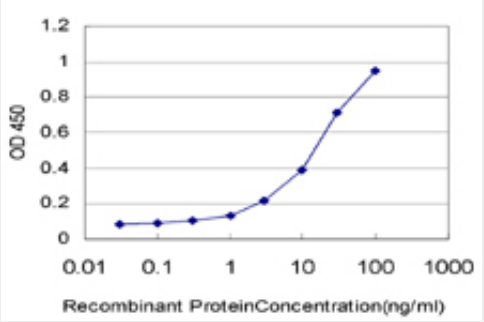


RPS23 monoclonal antibody (M02), clone 1E3. Western Blot analysis of RPS23 expression in Raw 264.7((Cat # AT3715a)



RPS23 monoclonal antibody (M02), clone 1E3. Western Blot analysis of RPS23 expression in NIH/3T3((Cat # AT3715a)

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999



Detection limit for recombinant GST tagged RPS23 is approximately 0.3ng/ml as a capture antibody.

RPS23 Antibody (monoclonal) (M02) - Background

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 ribosomal protein that is a component of the 40S subunit. The protein belongs to the S12P family of ribosomal proteins. It is located in the cytoplasm. The protein shares significant amino acid similarity with S. cerevisiae ribosomal protein S28. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome.

RPS23 Antibody (monoclonal) (M02) - References

Mass spectrometric analysis of the human 40S ribosomal subunit: native and HCV IRES-bound complexes. Yu Y, et al. Protein Sci, 2005 Jun. PMID 15883184.Nucleolar proteome dynamics. Andersen JS, et al. Nature, 2005 Jan 6. PMID 15635413.The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. Genome Res, 2004 Oct. PMID 15489334.The molecular mechanics of eukaryotic translation. Kapp LD, et al. Annu Rev Biochem, 2004. PMID 15189156.Complete sequencing and characterization of 21,243 full-length human cDNAs. Ota T, et al. Nat Genet, 2004 Jan. PMID 14702039.