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RPL19 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant RPL19.
Catalog # AT3704a

Specification

RPL19 Antibody (monoclonal) (M01) - Product Information

Application	**WB, IHC, IF, E**
Primary Accession	P84098
Other Accession	NM_000981
Reactivity	**Human, Mouse, Rat**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG2a Lambda**
Calculated MW	**23466**

RPL19 Antibody (monoclonal) (M01) - Additional Information

Gene ID 6143

Other Names
60S ribosomal protein L19, RPL19

Target/Specificity
RPL19 (NP_000972, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution
WB~~1:500~1000
IHC~~1:100~500
IF~~1:50~200
E~~N/A

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
RPL19 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

RPL19 Antibody (monoclonal) (M01) - Protocols

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

- Western Blot

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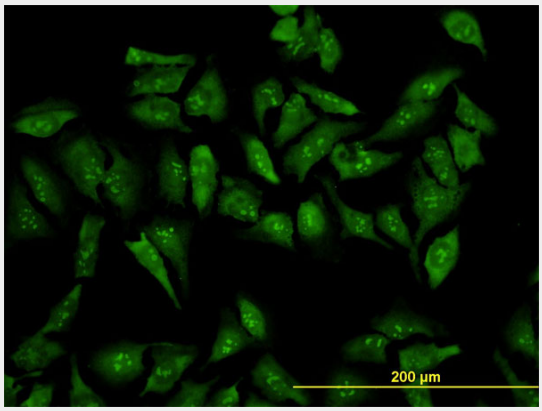
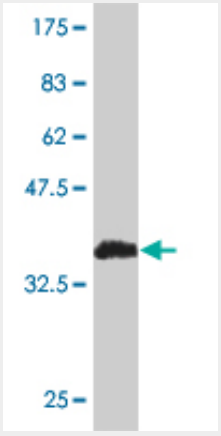
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

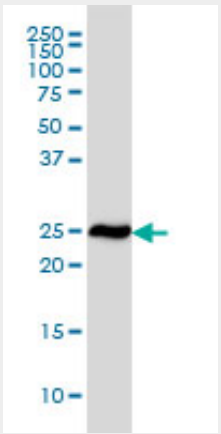
RPL19 Antibody (monoclonal) (M01) - Images



Immunofluorescence of monoclonal antibody to RPL19 on HeLa cell. [antibody concentration 10 ug/ml]



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



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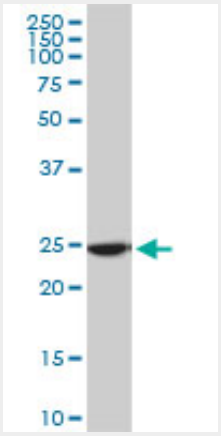
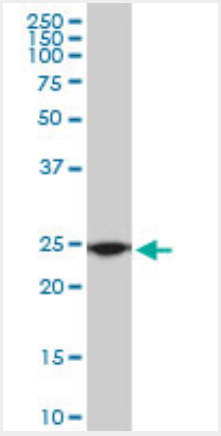
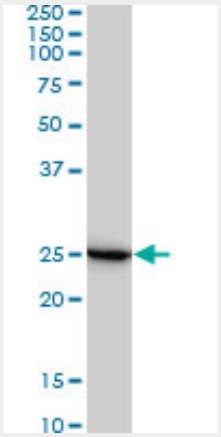
RPL19 monoclonal antibody (M01), clone 3H4 Western Blot analysis of RPL19 expression in HeLa ((Cat # AT3704a)



RPL19 monoclonal antibody (M01), clone 3H4. Western Blot analysis of RPL19 expression in PC-12 ((Cat # AT3704a)



RPL19 monoclonal antibody (M01), clone 3H4. Western Blot analysis of RPL19 expression in Raw 264.7 ((Cat # AT3704a)



RPL19 monoclonal antibody (M01), clone 3H4. Western Blot analysis of RPL19 expression in Jurkat ((Cat # AT3704a)

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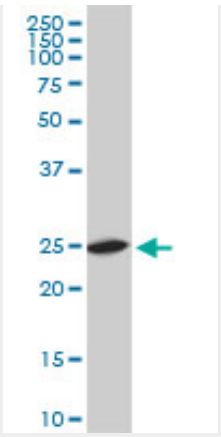
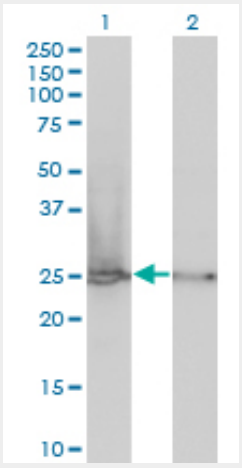
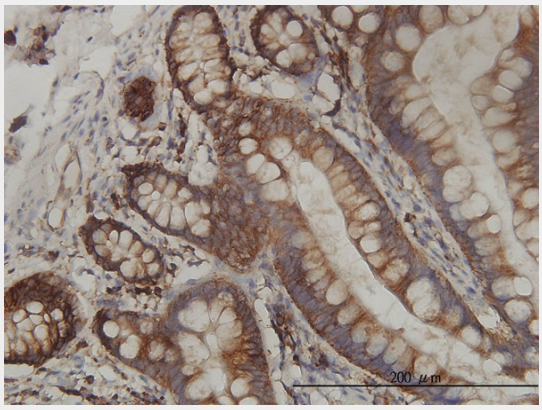


RPL19 monoclonal antibody (M01), clone 3H4. Western Blot analysis of RPL19 expression in NIH/3T3 ((Cat # AT3704a)



Western Blot analysis of RPL19 expression in transfected 293T cell line by RPL19 monoclonal antibody (M01), clone 3H4.

Lane 1: RPL19 transfected lysate (Predicted MW: 23.5 KDa).
Lane 2: Non-transfected lysate.



Immunoperoxidase of monoclonal antibody to RPL19 on formalin-fixed paraffin-embedded human small Intestine tissue. [antibody concentration 1 ~ 10 ug/ml]

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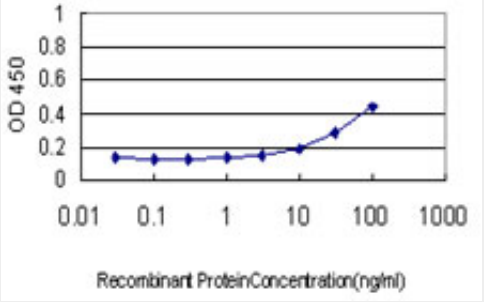

Detection limit for recombinant GST tagged RPL19 is approximately 3ng/ml as a capture antibody.

RPL19 Antibody (monoclonal) (M01) - 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 60S subunit. The protein belongs to the L19E family of ribosomal proteins. It is located in the cytoplasm. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome.

RPL19 Antibody (monoclonal) (M01) - References

1.Substitution p.A350V in Na(+)/Mg(2+) Exchanger SLC41A1, Potentially Associated with Parkinson's Disease, Is a Gain-of-Function Mutation.Kolisek M, Sponder G, Mastrototaro L, Smorodchenko A, Launay P, Vormann J, Schweigel-Rontgen MPLoS One. 2013 Aug 15;8(8):e71096. doi: 10.1371/journal.pone.0071096.2.Identification and expression of an autosomal paralogue of ribosomal protein S4, X-linked, in mice: Potential involvement of testis-specific ribosomal proteins in translation and spermatogenesis.Sugihara Y, Sadohara E, Yonezawa K, Kugo M, Oshima K, Matsuda T, Nadano D.Gene. 2013 May 25;521(1):91-9. doi: 10.1016/j.gene. 2013.02.0403.siRNA Knockdown of Ribosomal Protein Gene RPL19 Abrogates the Aggressive Phenotype of Human Prostate Cancer.Bee A, Brewer D, Beesley C, Dodson A, Forootan S, Dickinson T, Gerard P, Lane B, Yao S, Cooper CS, Djamgoz MB, Gosden CM, Ke Y, Foster CS.PLoS One. 2011;6(7):e22672. Epub 2011 Jul 22.4.A conserved SET-domain methyltransferase, Set11, modifies ribosomal protein Rpl12 in fission yeast.Sadaie M, Shinmyozu K, Nakayama JI.J Biol Chem. 2008 Mar 14;283(11):7185-95. Epub 2008 Jan 14.