

RPL19 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant RPL19.

Catalog # AT3704a

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
Clone Names	3H4
Calculated MW	23466

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.

Background

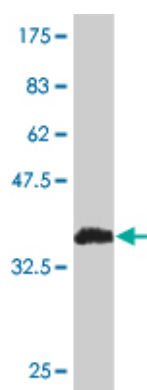
Ribosomes, the organelles that catalyze protein synthesis, consist of a small 40S subunit and a large 60S subunit. Together these subunits are composed of 4 RNA species and approximately 80 structurally distinct proteins. This gene encodes a ribosomal protein that is a component of the 60S subunit. The 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.

References

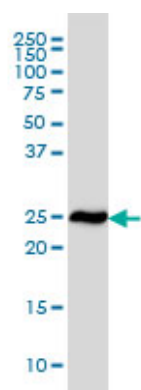
1.Substitution p.A350V in Na(+)/Mg(2+) Exchanger SLC41A1, Potentially Associated with Parkinson's Disease,

Is a Gain-of-Function Mutation. Kolisek M, Sponder G, Mastrototaro L, Smorodchenko A, Launay P, Vormann J, Schweigel-Rontgen M. *PLoS 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.

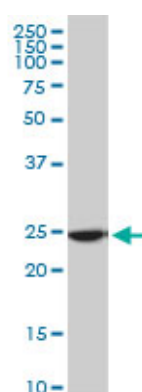
Images



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

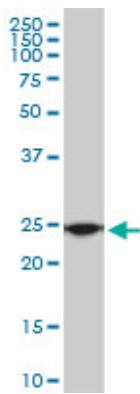


RPL19 monoclonal antibody (M01), clone 3H4 Western Blot analysis of RPL19 expression in HeLa ((Cat # AT3704a)

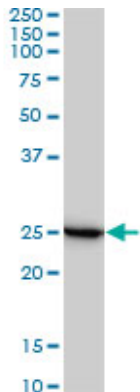


RPL19 monoclonal antibody (M01), clone 3H4. Western Blot analysis of RPL19 expression in PC-12 ((Cat # AT3704a)

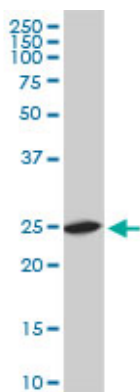
RPL19 monoclonal antibody (M01), clone 3H4. Western Blot analysis of RPL19 expression in Raw 264.7 ((Cat # AT3704a)



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



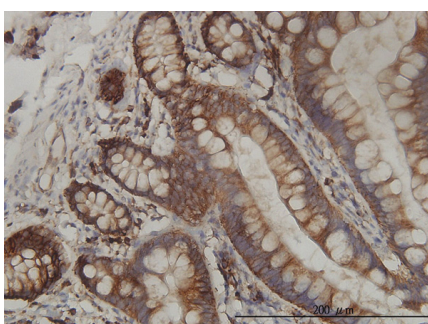
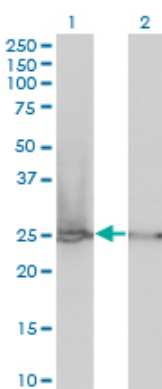
RPL19 monoclonal antibody (M01), clone 3H4. Western Blot analysis of RPL19 expression in NIH/3T3 (Cat # AT3704a)



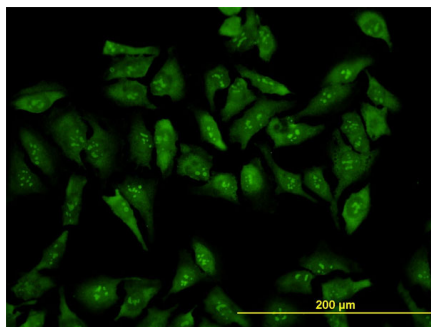
Western Blot analysis of RPL19 expression in transfected 293T cell line by RPL19 monoclonal antibody (M01), clone 3H4.

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

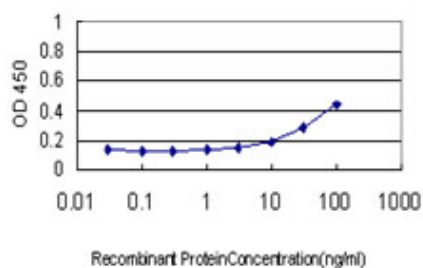
Lane 2: Non-transfected lysate.



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



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



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.