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RPS15 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant RPS15.
Catalog # AT3711a

Product Information

Application	WB
Primary Accession	P62841
Other Accession	NM_001018
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2b Kappa
Clone Names	4H8
Calculated MW	17040

Additional Information

Gene ID	6209
Other Names	40S ribosomal protein S15, RIG protein, RPS15, RIG
Target/Specificity	RPS15 (NP_001009, 77 a.a. ~ 145 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	RPS15 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

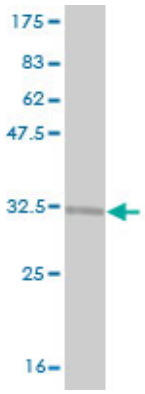
Background

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 40S subunit. The protein belongs to the S19P family of ribosomal proteins. It is located in the cytoplasm. This gene has been found to be activated in various tumors, such as insulinomas, esophageal cancers, and colon cancers. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome.

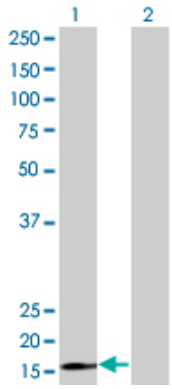
References

Ribosomal protein L5 and L11 mutations are associated with cleft palate and abnormal thumbs in Diamond-Blackfan anemia patients. Gazda HT, et al. Am J Hum Genet, 2008 Dec. PMID 19061985.The role of human ribosomal proteins in the maturation of rRNA and ribosome production. Robledo S, et al. RNA, 2008 Sep. PMID 18697920.Nuclear export and cytoplasmic processing of precursors to the 40S ribosomal subunits in mammalian cells. Rouquette J, et al. EMBO J, 2005 Aug 17. PMID 16037817.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.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.

Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (33.33 KDa) .



Western Blot analysis of RPS15 expression in transfected 293T cell line by RPS15 monoclonal antibody (M01), clone 4H8.

Lane 1: RPS15 transfected lysate(17 KDa).
Lane 2: Non-transfected lysate.

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