

TRIM5 Antibody (monoclonal) (M06)

Mouse monoclonal antibody raised against a partial recombinant TRIM5.

Catalog # AT4358a

Product Information

Application	E
Primary Accession	Q9C035
Other Accession	NM_033034
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	2A6
Calculated MW	56338

Additional Information

Gene ID	85363
Other Names	Tripartite motif-containing protein 5, 632-, RING finger protein 88, TRIM5, RNF88
Target/Specificity	TRIM5 (NP_149023, 309 a.a. ~ 418 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	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	TRIM5 Antibody (monoclonal) (M06) is for research use only and not for use in diagnostic or therapeutic procedures.

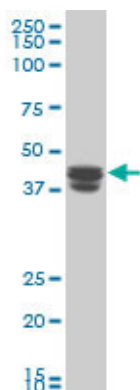
Background

The protein encoded by this gene is a member of the tripartite motif (TRIM) family. The TRIM motif includes three zinc-binding domains, a RING, a B-box type 1 and a B-box type 2, and a coiled-coil region. The protein forms homo-oligomers via the coiled-coil region and localizes to cytoplasmic bodies. It appears to function as a E3 ubiquitin-ligase and ubiquitinates itself to regulate its subcellular localization. It may play a role in retroviral restriction. Multiple alternatively spliced transcript variants encoding different isoforms have been described for this gene.

References

Murine double minute 2 as a modulator of retroviral restrictions mediated by TRIM5alpha. Malbec M, et al. Virology, 2010 Sep 30. PMID 20619429. A TRIM5alpha exon 2 polymorphism is associated with protection from HIV-1 infection in the Pumwani sex worker cohort. Price H, et al. AIDS, 2010 Jul 31. PMID 20588169. p62/sequestosome-1 associates with and sustains the expression of retroviral restriction factor TRIM5alpha. O'Connor C, et al. J Virol, 2010 Jun. PMID 20357094. Hsp70 interacts with the retroviral restriction factor TRIM5alpha and assists the folding of TRIM5alpha. Hwang CY, et al. J Biol Chem, 2010 Mar 5. PMID 20053985. Anti-retroviral activity of TRIM5 alpha. Nakayama EE, et al. Rev Med Virol, 2010 Mar. PMID 20049904.

Images



TRIM5 monoclonal antibody (M06), clone 2A6 Western Blot analysis of TRIM5 expression in HepG2 (Cat # L019V1).

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