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# TRIM5 Antibody (monoclonal) (M06)

Mouse monoclonal antibody raised against a partial recombinant TRIM5.
Catalog # AT4358a

## Product Information

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|---|---|
| **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

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|---|---|
| **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. |

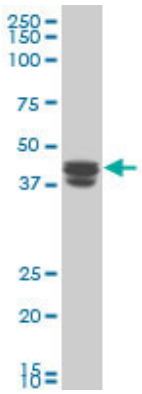
## Background

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 coilel-coil region and localizes to cytoplasmic bodies. It appears to function as a E3 ubiquitin-ligase and ubiqutinates 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'.