

TRIM32 Antibody (monoclonal) (M09)

Mouse monoclonal antibody raised against a partial recombinant TRIM32.

Catalog # AT4350a

Product Information

Application	WB, IF, E
Primary Accession	Q13049
Other Accession	NM_012210
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	2E6
Calculated MW	71989

Additional Information

Gene ID	22954
Other Names	E3 ubiquitin-protein ligase TRIM32, 632-, 72 kDa Tat-interacting protein, Tripartite motif-containing protein 32, Zinc finger protein HT2A, TRIM32, HT2A
Target/Specificity	TRIM32 (NP_036342, 105 a.a. ~ 204 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 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	TRIM32 Antibody (monoclonal) (M09) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

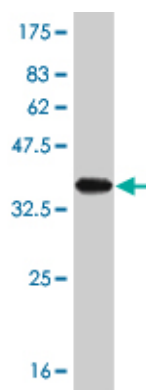
The protein encoded by this gene is a member of the tripartite motif (TRIM) family. The TRIM motif includes three zinc-binding domains, a RING, a B-box type 1 and a B-box type 2, and a coiled-coil region. The protein localizes to cytoplasmic bodies. The protein has also been localized to the nucleus, where it interacts with the activation domain of the HIV-1 Tat protein. The Tat protein activates transcription of HIV-1 genes.

References

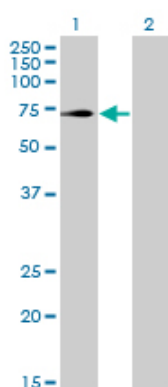
1.Nuclear factor kappa B signaling initiates early differentiation of neural stem cells.Zhang Y, Liu J, Yao S, Li F, Xin L, Lai M, Bracchi-Ricard V, Xu H, Yen W, Meng W, Liu S, Yang L, Karmally S, Liu J, Zhu H, Gordon J, Khalili K,

Srinivasan S, Bethea JR, Mo X, Hu W. Stem Cells. 2012 Mar;30(3):510-24. doi: 10.1002/stem.1006.2. TRIM32 Regulates Skeletal Muscle Stem Cell Differentiation and Is Necessary for Normal Adult Muscle Regeneration. Nicklas S, Otto A, Wu X, Miller P, Stelzer S, Wen Y, Kuang S, Wrogemann K, Patel K, Ding H, Schwamborn JC. PLoS One. 2012;7(1):e30445. Epub 2012 Jan 27.3. TRIM32 promotes neural differentiation through retinoic acid receptor-mediated transcription. Sato T, Okumura F, Kano S, Kondo T, Ariga T, Hatakeyama S. J Cell Sci. 2011 Oct 15;124(Pt 20):3492-502. Epub 2011 Oct 7.4. The TRIM-NHL Protein TRIM32 Activates MicroRNAs and Prevents Self-Renewal in Mouse Neural Progenitors. Schwamborn JC, Berezikov E, Knoblich JA. Cell. 2009 Mar 6;136(5):913-25.

Images

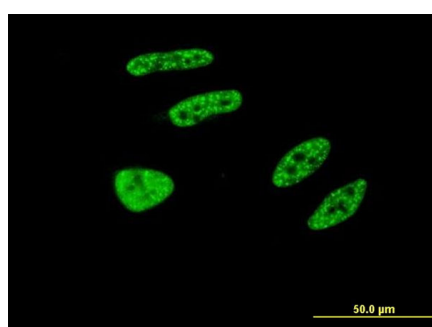


Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 kDa) .

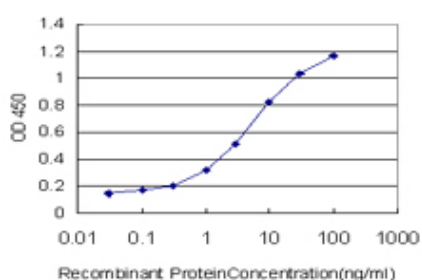


Western Blot analysis of TRIM32 expression in transfected 293T cell line by TRIM32 monoclonal antibody (M09), clone 2E5.

Lane 1: TRIM32 transfected lysate (72 kDa).
Lane 2: Non-transfected lysate.

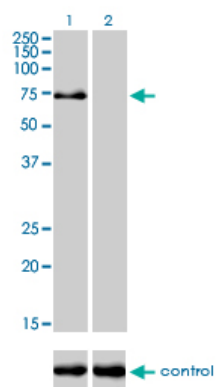


Immunofluorescence of monoclonal antibody to TRIM32 on HeLa cell . [antibody concentration 10 μg/ml]



Detection limit for recombinant GST tagged TRIM32 is approximately 0.3 ng/ml as a capture antibody.

Western blot analysis of TRIM32 over-expressed 293 cell



line, cotransfected with TRIM32 Validated Chimera RNAi (Cat # AT4350a)

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