10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

TRIM33 Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a partial recombinant TRIM33.
Catalog # AT4352a

Product Information

Application	WB, IF
Primary Accession	Q9UPN9
Other Accession	NM_015906
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	6F4
Calculated MW	122533

Additional Information

Gene ID	51592
Other Names	E3 ubiquitin-protein ligase TRIM33, 632-, Ectodermin homolog, RET-fused gene 7 protein, Protein Rfg7, Transcription intermediary factor 1-gamma, TIF1-gamma, Tripartite motif-containing protein 33, TRIM33, KIAA1113, RFG7, TIF1G
Target/Specificity	TRIM33 (NP_056990, 1006 a.a. ~ 1105 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
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	TRIM33 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

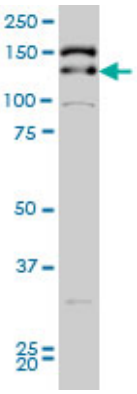
Background

The protein encoded by this gene is thought to be a transcriptional corepressor. However, molecules that interact with this protein have not yet been identified. The protein is a member of the tripartite motif family. This motif includes three zinc-binding domains, a RING, a B-box type 1 and a B-box type 2, and a coiled-coil region. Three alternatively spliced transcript variants for this gene have been described, however, the full-length nature of one variant has not been determined.

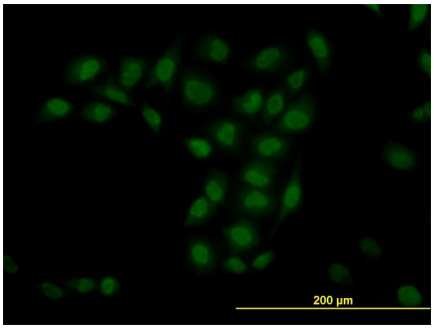
References

TIF1gamma controls erythroid cell fate by regulating transcription elongation. Bai X, et al. Cell, 2010 Jul 9. PMID 20603019.Transcription intermediary factor 1gamma decreases protein expression of the transcriptional cofactor, LIM-domain-binding 1. Howard PW, et al. Biochem Biophys Res Commun, 2010 Jun 4. PMID 20447379.Inactivation of TIF1gamma cooperates with Kras to induce cystic tumors of the pancreas. Vincent DF, et al. PLoS Genet, 2009 Jul. PMID 19629168.FAM/USP9x, a deubiquitinating enzyme essential for TGFbeta signaling, controls Smad4 monoubiquitination. Dupont S, et al. Cell, 2009 Jan 9. PMID 19135894.Toward a confocal subcellular atlas of the human proteome. Barbe L, et al. Mol Cell Proteomics, 2008 Mar. PMID 18029348.

Images



TRIM33 monoclonal antibody (M02), clone 6F4 Western Blot analysis of TRIM33 expression in Hela S3 NE (Cat # L013V3).



Immunofluorescence of monoclonal antibody to TRIM33 on HeLa cell. [antibody concentration 10 ug/ml]