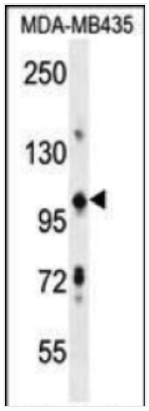
TRIM33 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	TRIM33, Polyclonal Antibody
Full Product Name	TRIM33, CT (TRIM33, KIAA1113, RFG7, TIF1G, E3 ubiquitin-protein ligase TRIM33, Ectodermin homolog, RET-fused gene 7 protein, Transcription intermediary factor 1-gamma, Tripartite motif-containing protein 33) (MaxLight 550)
Product Gene Name	anti-TRIM33 antibody
Product Synonym Names	TRIM33; KIAA1113; RFG7; TIF1G; E3 ubiquitin-protein ligase TRIM33; Ectodermin homolog; RET-fused gene 7 protein; Transcription intermediary factor 1-gamma; Tripartite motif-containing protein 33
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight550.
Purity/Purification	Purified by Protein A and Peptide Affinity Chromatography.
Specificity	Recognizes human TRIM33.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight550 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	120,541 Da
OMIM	188550
3D Structure	ModBase 3D Structure for Q9UPN9
Immunogen	KLH-conjugated synthetic peptide mapping to a fragment of residues within amino acids 1095-1125 in the C-terminal region of human TRIM33, UniProt Accession #Q9UPN9. Species sequence homology: mouse
Conjugate	MaxLight550
Note	Preservative Free
Product Categories/Family for anti-TRIM33 antibody	Antibodies; Transcription Factors; TRIM (Tripartite Motif)
Applications Tested/Suitable for anti-TRIM33 antibody	Western Blot (WB), FLISA
Application Notes for anti-TRIM33 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-TRIM33 antibody	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.
Product References and Citations for anti-TRIM33 antibody	1. Bai, X., et al. Cell 142(1):133-143(2010). 2. Howard, P.W., et al. Biochem. Biophys. Res. Commun. 396(3):674-678(2010). 3. Vincent, D.F., et al. PLoS Genet. 5 (7), E1000575 (2009). 4. Dupont, S., et al. Cell 136(1):123-135(2009). 5. Sugiyama, N., et al. Mol. Cell Proteomics 6(6):1103-1109(2007).

Other Notes	Small volumes of anti-TRIM33 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for TRIM33 purchase	MBS6358293 is an antibody targeting TRIM33. Also known as TRIM33, CT (TRIM33, KIAA1113, RFG7, TIF1G, E3 ubiquitin-protein ligase TRIM33, Ectodermin homolog, RET-fused gene 7 protein, Transcription intermediary factor 1-gamma, Tripartite motif-containing protein 33) (MaxLight 550). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-TRIM33 antibody
Western Blot analysis of MBS644763 in MDA-MB435 cell line lysates (35ug/lane). This demonstrates that MBS644763 detected the TRIM33 protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TRIM33. It may not necessarily be applicable to this product.

NCBI GI #	74027251
NCBI GeneID	51592
NCBI Accession #	NP_148980.2
NCBI Related Accession #	NP_056990.3
UniProt Primary Accession #	Q9UPN9
UniProt Secondary Accession #	O95855; Q5TG72; Q5TG73; Q5TG74; Q9C017; Q9UJ79
UniProt Related Accession #	Q9UPN9
GenBank Nucleotide #	NM_033020.2
NCBI Official Full Name	E3 ubiquitin-protein ligase TRIM33 isoform beta
NCBI Official Synonym Full Names	tripartite motif containing 33
NCBI Official Symbol	TRIM33
NCBI Official Synonym Symbols	ECTO; PTC7; RFG7; TF1G; TIF1G; TIFGAMMA; TIF1GAMMA
UniProt Protein Name	E3 ubiquitin-protein ligase TRIM33
UniProt Synonym Protein Names	Ectodermin homolog; RET-fused gene 7 protein; Protein Rfg7; Transcription intermediary factor 1-gamma; TIF1-gamma; Tripartite motif-containing protein 33
Protein Family	E3 ubiquitin-protein ligase
UniProt Gene Name	TRIM33
UniProt Synonym Gene Names	KIAA1113; RFG7; TIF1G; Protein Rfg7; TIF1-gamma
UniProt Entry Name	TRI33_HUMAN
NCBI Protein Information	E3 ubiquitin-protein ligase TRIM33

UniProt Comments for TRIM33	TIF1G: an atypical protein kinase that functions as a transcriptional repressor. Translocation with RET generates the TRIM33/RET (PTC7) oncogene. 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. Two splice variant isoforms have been described. Protein type: Ubiquitin ligase; Transcription, coactivator/corepressor; EC 6.3.2.19; Protein kinase, atypical; Ubiquitin conjugating system; EC 6.3.2.-; Ligase; Kinase, protein; ATYPICAL group; TIF1 family Chromosomal Location of Human Ortholog: 1p13.1 Cellular Component: nucleoplasm; intracellular membrane-bound organelle; nucleus Molecular Function: protein binding; DNA binding; zinc ion binding; ubiquitin-protein ligase activity; ligase activity Biological Process: transcription initiation from RNA polymerase II promoter; regulation of transforming growth factor beta receptor signaling pathway; transcription, DNA-dependent; transforming growth factor beta receptor signaling pathway; protein ubiquitination; gene expression; negative regulation of transcription from RNA polymerase II promoter; negative regulation of transcription, DNA-dependent; negative regulation of BMP signaling pathway Disease: Thyroid Carcinoma, Papillary
Research Articles on TRIM33	**1.** our work indicates that TIF1gamma exerts its tumor-suppressive functions in part by promoting chromosomal stability.
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