TRIM33 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	TRIM33, Polyclonal Antibody
Full Product Name	TRIM33 Antibody
Product Gene Name	anti-TRIM33 antibody
Product Synonym Names	ECTO; PTC7; RFG7; TF1G; TIF1G; TIFGAMMA; TIF1GAMMA
Clonality	Polyclonal
Isotype	Rabbit IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Purity/Purification	Antigen affinity purification.
Specificity	The antibody detects endogenous levels of total TRIM33 protein.
Preparation and Storage	Store at 4 degree C short term. Aliquot and store at -20 degree C long term. Avoid freeze/thaw cycles.
Molecular Weight	120,541 Da
OMIM	188550
3D Structure	ModBase 3D Structure for Q9UPN9
Immunogen	Synthetic peptide corresponding to residues near the C terminal of human tripartite motif containing 33
Product Categories/Family for anti-TRIM33 antibody	Primary Antibody
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-TRIM33 antibody	Immunohistochemistry (IHC)
Application Notes for anti-TRIM33 antibody	IHC: 1:30-1:150
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.
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	MBS8591611 is an antibody targeting TRIM33. Also known as TRIM33 Antibody. Reactive in Human, Mouse. Host: Rabbit.

ADDITIONAL DETAILS

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

NCBI GI #	74027249
NCBI GeneID	51592
NCBI Accession #	NP_056990.3
UniProt Primary Accession #	Q9UPN9
UniProt Secondary Accession #	O95855; Q5TG72; Q5TG73; Q5TG74; Q9C017; Q9UJ79
UniProt Related Accession #	Q9UPN9
GenBank Nucleotide #	NM_015906.3
NCBI Official Full Name	E3 ubiquitin-protein ligase TRIM33 isoform alpha
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; RET-fused gene 7 protein; TIF1-gamma; ectodermin homolog; protein Rfg7; transcriptional intermediary factor 1 gamma; tripartite motif-containing 33
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.** Data indicate that tripartite motif containing 33 protein TIF1gamma promotes sumoylation of SKI-like proto-oncogene protein SnoN1 and regulates epithelial-mesenchymal transition (EMT).
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