

## Product datasheet for **TA319933**

### TIF1 gamma (TRIM33) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 1 - 2 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	TRIM33 antibody was raised against an 18 amino acid peptide near the center of human TRIM33.
Formulation:	TRIM33 Antibody is supplied in PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	TRIM33 Antibody is affinity chromatography purified via peptide column.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	Predicted: 70, 124 kDa; Observed: 70 kDa
Gene Name:	tripartite motif containing 33
Database Link:	<a href="#">NP_056990</a> <a href="#">Entrez Gene 94093 MouseEntrez Gene 365894 RatEntrez Gene 51592 Human Q9UPN9</a>



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**Background:**

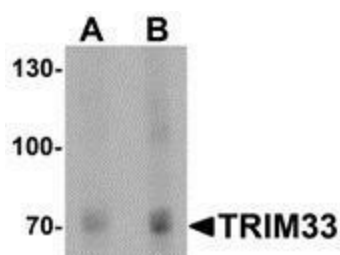
TRIM33 Antibody: TRIM24 (TIF1 alpha), TRIM28 (TIF1 beta), and TRIM33 (TIF1 gamma) are three related cofactors belonging to the tripartite motif superfamily that interact with distinct transcription factors (1-2). The structure of TRIM33 is similar to TRIM24 and TRIM28, exhibiting multiple domains (RING finger, coiled coil, B boxes, PHD/TTC, and bromodomain) (3). TRIM33 functions in cell differentiation and development, playing a role in differentiation of hematopoietic cells (3). It interacts with the Smad2/3 transcription factor in hematopoietic, mesenchymal, and epithelial cell types to mediate different transcriptional effects in response to TGF-beta (4). It acts as an E3 ubiquitin-protein ligase and promotes SMAD4 ubiquitination (5).

**Synonyms:**

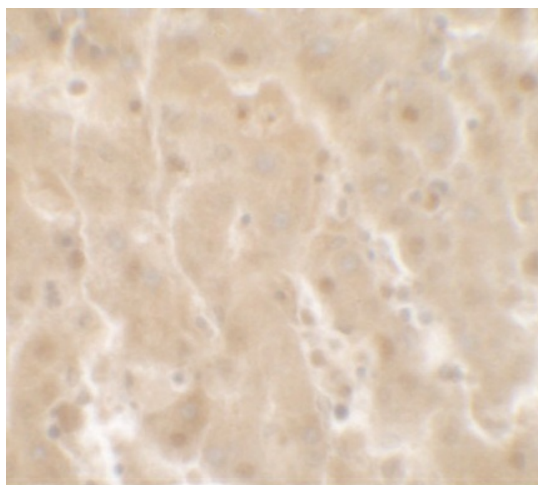
ECTO; PTC7; RFG7; TF1G; TIF1G; TIF1GAMMA; TIFGAMMA

**Protein Families:**

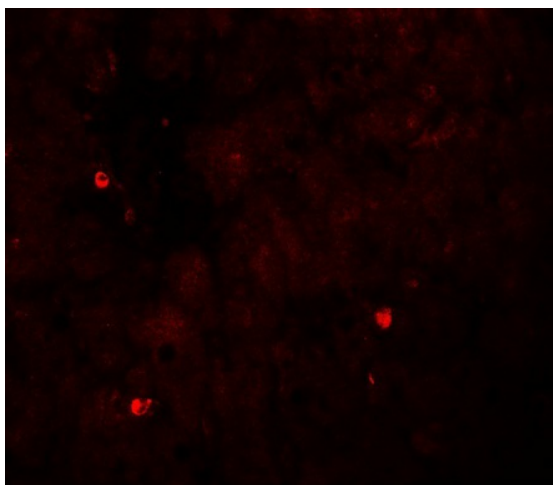
Druggable Genome, ES Cell Differentiation/IPS, Protein Kinase, Transcription Factors

**Product images:**

Western blot analysis of TRIM33 in human liver tissue lysate with TRIM33 antibody at (A) 1 and (B) 2 ug/mL.



Immunohistochemistry of TRIM33 in human liver tissue with TRIM33 antibody at 2.5 ug/mL.



Immunofluorescence of TRIM33 in human liver tissue with TRIM33 antibody at 20 ug/mL.