

ARG54025 anti-TRIM33 / TIF1 gamma antibody

Package: 100 µl, 50 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody recognizes TRIM33 / TIF1 gamma
Tested Reactivity	Hu
Tested Application	WB
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Target Name	TRIM33 / TIF1 gamma
Species	Human
Immunogen	Purified recombinant human TIF1 gamma / TRIM33 protein fragments expressed in E.coli.
Conjugation	Un-conjugated
Alternate Names	TIF1GAMMA; Ectodermin homolog; EC 6.3.2.-; Transcription intermediary factor 1-gamma; TIFGAMMA; RET-fused gene 7 protein; E3 ubiquitin-protein ligase TRIM33; TIF1G; TIF1-gamma; Protein Rfg7; PTC7; RFG7; Tripartite motif-containing protein 33; ECTO; TF1G

Application Instructions

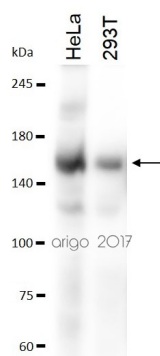
Application table	Application	Dilution
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Affinity purified
Buffer	0.1M Tris-Glycine (pH 7.4), 150 mM NaCl, 0.2% Sodium azide and 50% Glycerol
Preservative	0.2% Sodium azide
Stabilizer	50% Glycerol
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Database links	GeneID: 51592 Human Swiss-port # Q9UPN9 Human
Gene Symbol	TRIM33
Gene Full Name	tripartite motif containing 33
Background	Acts as an E3 ubiquitin-protein ligase. Promotes SMAD4 ubiquitination, nuclear exclusion and degradation via the ubiquitin proteasome pathway. According to PubMed:16751102, does not promote a decrease in the level of endogenous SMAD4. May act as a transcriptional repressor. Inhibits the transcriptional response to TGF-beta/BMP signaling cascade. Plays a role in the control of cell proliferation. Its association with SMAD2 and SMAD3 stimulates erythroid differentiation of hematopoietic stem/progenitor (By similarity). Monoubiquitinates SMAD4 and acts as an inhibitor of SMAD4-dependent TGF-beta/BMP signaling cascade (Monoubiquitination of SMAD4 hampers its ability to form a stable complex with activated SMAD2/3 resulting in inhibition of TGF-beta/BMP signaling cascade).
Function	Acts as an E3 ubiquitin-protein ligase. Promotes SMAD4 ubiquitination, nuclear exclusion and degradation via the ubiquitin proteasome pathway. According to PubMed:16751102, does not promote a decrease in the level of endogenous SMAD4. May act as a transcriptional repressor. Inhibits the transcriptional response to TGF-beta/BMP signaling cascade. Plays a role in the control of cell proliferation. Its association with SMAD2 and SMAD3 stimulates erythroid differentiation of hematopoietic stem/progenitor (By similarity). Monoubiquitinates SMAD4 and acts as an inhibitor of SMAD4-dependent TGF-beta/BMP signaling cascade (Monoubiquitination of SMAD4 hampers its ability to form a stable complex with activated SMAD2/3 resulting in inhibition of TGF-beta/BMP signaling cascade). [UniProt]
Research Area	Developmental Biology antibody; Gene Regulation antibody; Signaling Transduction antibody
Calculated Mw	123 kDa
PTM	Sumoylated with SUMO1.
Cellular Localization	Nucleus

Images



ARG54025 anti-TRIM33 / TIF1 gamma antibody WB image

Western blot: 30 µg of 293T and HeLa cell lysates stained with ARG54025 anti-TRIM33 / TIF1 gamma antibody at 1:1000 dilution.