

ARG45403 anti-TRIM33 / TIF1 gamma antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes TRIM33 / TIF1 gamma
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	TRIM33 / TIF1 gamma
Species	Human
Immunogen	Recombinant protein containing to human TRIM33 / TIF1 gamma.
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
	FACS	1 - 3 µg/10 ⁶ cells
	ICC/IF	2 µg/ml
	IHC-P	2-5 µg/ml
	WB	0.1-0.5 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	150 kDa	

Properties

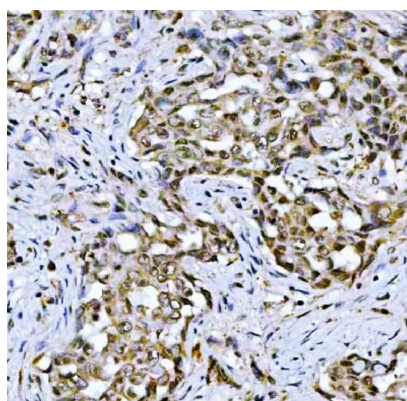
Form	Powder
Purification	Affinity purified
Buffer	0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.05% Sodium azide and 5% BSA.
Preservative	0.05% Sodium azide
Stabilizer	5% BSA
Concentration	0.5 mg/ml

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 or below. 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.

Bioinformation

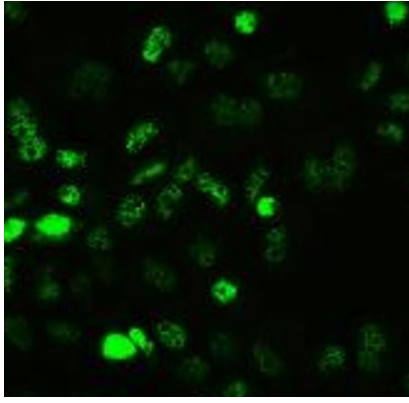
Gene Symbol	TRIM33
Gene Full Name	tripartite motif containing 33
Background	Acts as an E3 ubiquitin-protein ligase. Promotes SMAD4 ubiquitination, nuclear exclusion and degradation via the ubiquitin proteasome pathway. According to PubMed:16751102, does not promote a decrease in the level of endogenous 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]
Calculated Mw	123 kDa
PTM	Sumoylated with SUMO1. [UniProt]
Cellular Localization	Nucleus. [UniProt]

Images



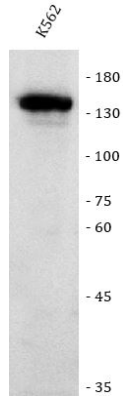
ARG45403 anti-TRIM33 / TIF1 gamma antibody IHC-P image

Immunohistochemistry: Human lung adenocarcinoma stained with ARG45403 anti-TRIM33 / TIF1 gamma antibody at 2 µg/ml dilution.



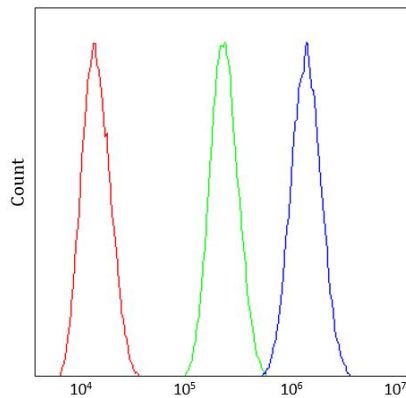
ARG45403 anti-TRIM33 / TIF1 gamma antibody ICC/IF image

Immunofluorescence: A431 stained with ARG45403 anti-TRIM33 / TIF1 gamma antibody at 2 $\mu\text{g/ml}$ dilution.



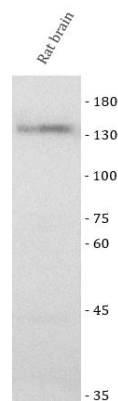
ARG45403 anti-TRIM33 / TIF1 gamma antibody WB image

Western blot: K562 stained with ARG45403 anti-TRIM33 / TIF1 gamma antibody at 0.5 $\mu\text{g/ml}$ dilution.



ARG45403 anti-TRIM33 / TIF1 gamma antibody FACS image

Flow Cytometry: U87 stained with ARG45403 anti-TRIM33 / TIF1 gamma antibody at 1 $\mu\text{g}/10^6$ cells dilution.



ARG45403 anti-TRIM33 / TIF1 gamma antibody WB image

Western blot: Rat brain stained with ARG45403 anti-TRIM33 / TIF1 gamma antibody at 0.5 $\mu\text{g/ml}$ dilution.

ARG45403 anti-TRIM33 / TIF1 gamma antibody WB image

Western blot: Mouse brain stained with ARG45403 anti-TRIM33 / TIF1 gamma antibody at 0.5 µg/ml dilution.

