Rabbit anti-Human TRIM33 Polyclonal Antibody | anti-TRIM33 antibody

Anti-TRIM33 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA256693	**Rabbit**	**Human**	**Immunofluorescence, Immunocytochemistry, Immunohistochemistry**

PRODUCT SYNONYMS

TRIM33; Polyclonal Antibody; Anti-TRIM33 Antibody; Rabbit Polyclonal; TRIM33 Antibody; Rabbit PAb; Antigen Affinity Purified; anti-TRIM33 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human TRIM33
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-TRIM33 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry)
Immunogen	E Coli-derived Human TRIM33 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human TRIM33 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES

IF (Immunofluorescence)
Immunofluorescence staining of TRIM33 in U251MG cells. Cells were fixed with 4% PFA, permeabilzed with 0.1% Triton X-100 in PBS,blocked with 10% serum, and incubated with rabbit anti-Human TRIM33 polyclonal antibody (dilution ratio 1:200) at 4 degree C overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green). Positive staining was localized to.

IHC (Immunohiostchemistry)
Immunochemical staining of human TRIM33 in human adrenal gland with rabbit polyclonal antibody at 1:2000 dilution, formalin-fixed paraffin embedded sections.

IHC (Immunohistochemistry)
Immunochemical staining of human TRIM33 in human brain with rabbit polyclonal antibody at 1:2000 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-TRIM33 antibody	Tripartite motif 33 (Trim33), a member of the transcription intermediate factor 1 (TIF1) family of transcription cofactors, mediates transforming growth factor-beta (TGF-beta) signaling through its PHD-Bromo cassette in mesendoderm differentiation during early mouse embryonic development. Trim33 is a modulator of TGF-beta signaling that associates with Smad2 and regulates the proinflammatory function of Th17 cells. Trim33 deficiency in T cells ameliorated an autoimmune disease in vivo. Trim33 was required for induction in vitro of Th17, but not T reg cells. Moreover, Smad4 and Trim33 play contrasting roles in the regulation of IL-10 expression; loss of Trim33 enhanced IL-10 production. Furthermore, Trim33 was recruited to the Il17a and Il10 gene loci, dependent on Smad2, and mediated their chromatin remodeling during Th17 differentiation. Trim33 thus promotes the proinflammatory function of Th17 cells by inducing IL-17 and suppressing IL-10 expression.
References	Tanaka S, et al. (2018) Trim33 mediates the proinflammatory function of th17 cells. J Exp Med 215 (7): 1853-1868.Rajderkar S, et al. (2019) Trim33 is required for appropriate development of pre-cardiogenic mesoderm. Dev Biol 450 (2): 101-114.Guo J, et al. (2017) Trim33 is essential for osteoblast proliferation and differentiation via bmp pathway. J Cell Physiol 232 (11): 3158-3169.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/polyclonal/trim33-antibody-immunofluorescence-immunocytochemistry-immunohistochemistry-elisa/256693