

Rabbit anti-Human TRIM5 Polyclonal Antibody | anti-TRIM5 antibody

Anti-TRIM5 Antibody, Rabbit Polyclonal

CATALOG # AAA256809	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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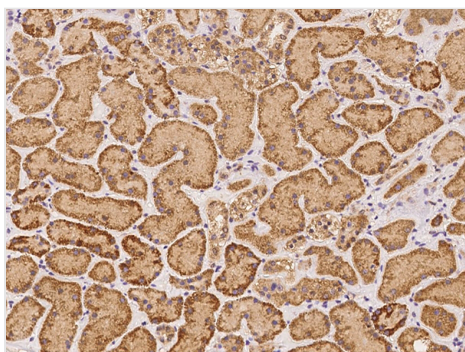
PRODUCT SYNONYMS

TRIM5; Polyclonal Antibody; Anti-TRIM5 Antibody; Rabbit Polyclonal; TRIM5 Antibody; Rabbit PAb; Antigen Affinity Purified; anti-TRIM5 antibody

PRODUCT SPECIFICATIONS

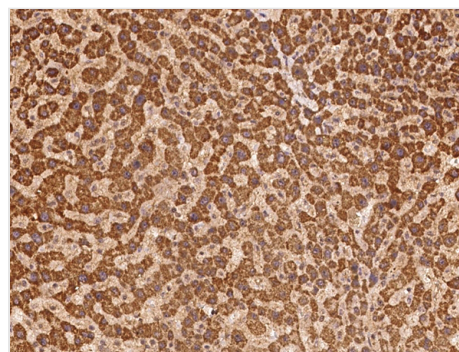
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human TRIM5
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-TRIM5 antibody	IHC (Immunohistochemistry)
Immunogen	E Coli-derived Human TRIM5 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human TRIM5 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



IHC (Immunohistochemistry)

Immunochemical staining of human TRIM5 in human kidney with rabbit polyclonal antibody at 1:500 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of human TRIM5 in human liver with rabbit polyclonal antibody at 1:500 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-TRIM5 antibody	Tripartite motif-containing protein 5 (TRIM5) is a RING domain-E3 ubiquitin ligase that restricts infection by human immunodeficiency virus (HIV)-1 and other retroviruses immediately following virus invasion of the target cell cytoplasm. TRIM5 assembles into a hexagonal lattice on retroviral capsids, causing envelopment of the infectious core. Concomitantly, TRIM5 initiates innate immune signaling and orchestrates disassembly of the viral particle. In common with all of the many TRIM family members, TRIM5 has RING, B-box, and coiled-coil domains. As an E3 ubiquitin ligase TRIM5 cooperates with the heterodimeric E2, UBC13/UEV1A, to activate the TAK1 (MAP3K7) kinase, NF-kappaB, and AP-1 signaling, and the transcription of inflammatory cytokines and chemokines. TAK1, UBC13, and UEV1A all contribute to TRIM5-mediated retrovirus restriction activity.
References	Pertel T, et al. (2011) Trim5 is an innate immune sensor for the retrovirus capsid lattice. Nature 472 (7343): 361-365.Jimenez-Moyano E, et al. (2016) Nonhuman trim5 variants enhance recognition of hiv-1-infected cells by cd8+ t cells. J Virol 90 (19): 8552-8562.Grutter MG, et al. (2012) Trim5 structure, hiv-1 capsid recognition, and innate immune signaling. Curr Opin Virol 2 (2): 142-150.Fletcher AJ, et al. (2018) Trivalent ring assembly on retroviral capsids activates trim5 ubiquitination and innate immune signaling. Cell Host Microbe 24 (6): 761-775.e766.

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/trim5-antibody-immunohistochemistry-elisa/256809>