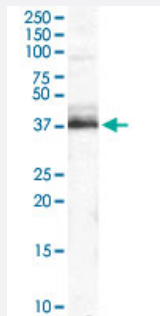


TRIM5 polyclonal antibody

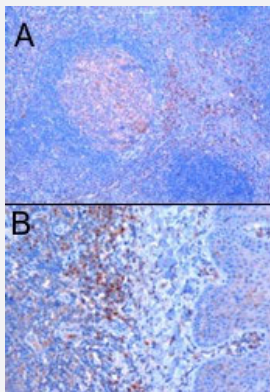
Catalog # PAB6383 Size 100 ug

Applications



Western Blot (Tissue lysate)

TRIM5 polyclonal antibody (Cat # PAB6383) staining (1 ug/mL) of human brain lysate (RIPA buffer, 35 ug total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

TRIM5 polyclonal antibody (Cat # PAB6383) staining (1 ug/mL) of paraffin embedded human tonsil. Microwaved antigen retrieval with citrate buffer pH 6, HRP-staining. A) positive cells next to a secondary follicle, B) positive cells below tonsillar epithelium.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of TRIM5.
Immunogen	A synthetic peptide corresponding to human TRIM5.
Sequence	ASGILVNVKEEVTC
Host	Goat
Theoretical MW (kDa)	56.3, 40.1, 37.7
Reactivity	Human

Specificity	This antibody is expected to recognize all three human isoforms of this protein.
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	ELISA (1:16000) Western Blot (1-3 ug/mL) Immunohistochemistry (1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — TRIM5

Entrez GeneID	85363
Protein Accession#	NP_149023.1;NP_149083.1;NP_149084.1
Gene Name	TRIM5
Gene Alias	RNF88, TRIM5alpha

Gene Description	tripartite motif-containing 5
Omim ID	608487
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the tripartite motif (TRIM) family. The TRIM motif includes three zinc-binding domains, a RING, a B-box type 1 and a B-box type 2, and a coiled-coil region. The protein localizes to cytoplasmic bodies. Its function has not been identified. Five alternatively spliced transcript variants for this gene have been described. However, the full length nature of two of the variants has not been determined. [provided by RefSeq]
Other Designations	OTTHUMP00000069811 OTTHUMP00000069812 tripartite motif protein TRIM tripartite motif protein TRIM5 tripartite motif-containing protein 5 alpha

Publication Reference

- [Restriction of foamy viruses by primate Trim5alpha.](#)

Yap MW, Lindemann D, Stanke N, Reh J, Westphal D, Hanenberg H, Ohkura S, Stoye JP.

Journal of Virology 2008 Jun; 82(11):5429.

Application: WB, Human, HT1080 cells

- [The design of artificial retroviral restriction factors.](#)

Yap MW, Mortuza GB, Taylor IA, Stoye JP.

Virology 2007 Sep; 365(2):302.

Application: Flow Cyt, Human, HT1080 cells

- [All three variable regions of the TRIM5alpha B30.2 domain can contribute to the specificity of retrovirus restriction.](#)

Ohkura S, Yap MW, Sheldon T, Stoye JP.

Journal of Virology 2006 Sep; 80(17):8554.

- [The tripartite motif family identifies cell compartments.](#)

Reymond A, Meroni G, Fantozzi A, Merla G, Cairo S, Luzi L, Riganelli D, Zanaria E, Messali S, Cainarca S, Guffanti A, Minucci S, Pelicci PG, Ballabio A.

The EMBO Journal 2001 May; 20(9):2140.

Disease

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- [HIV Infections](#)
- [HIV Seropositivity](#)