

## Product datasheet for **TA306151**

### TRIM5 alpha (TRIM5) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 2 ug/mL, ICC: 1 ug/mL, IF: 10 ug/mL
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	TRIM5 delta antibody was raised against a synthetic peptide corresponding to 13 amino acids near the carboxy-terminus of human TRIM5 delta.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	Affinity chromatography purified via peptide column
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	tripartite motif containing 5
Database Link:	<a href="#">NP_149084</a> <a href="#">Entrez Gene 85363 Human</a> <a href="#">Q9C035</a>

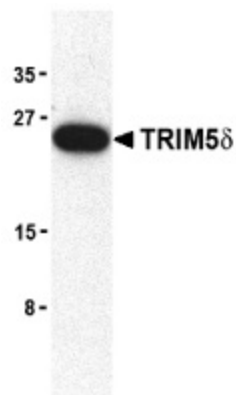
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**Background:**

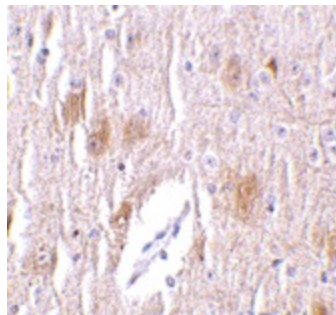
TRIM5 is a member of a broad family of otherwise unrelated proteins defined by the presence of a tripartite motif containing a RING domain, a B-box type 1, and a B-box type 2, followed by a coiled-coil region (1). TRIM5 has five alternately spliced isoforms, the longest of which is the  $\Delta$  variant which also contains a carboxy-terminal B30.2 (SPRY) domain (1). Expression of TRIM5alpha variants from humans, rhesus monkeys, and African green monkeys enabled resistance to infection by various retroviruses including HIV-1 (2,3), albeit at differing efficiencies. The TRIM5delta isoform has been shown to colocalize with the topoisomerase I-interacting proteins BTBD1 and BTBD2 in punctate or elongated cytoplasmic bodies in several mouse and human cells where it appears to serve as a scaffold for the assembly of endogenous BTBD proteins. TRIM5delta also exhibits autoubiquitination activity in a RING finger- and UbcH5B-dependent manner (4).

**Synonyms:**

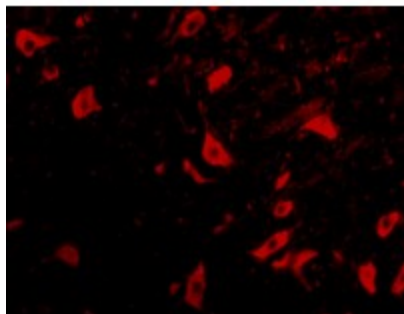
RNF88; TRIM5alpha

**Product images:**


Western blot analysis of TRIM5 delta expression in mouse brain cell lysate with TRIM5 delta antibody at 2 ug/ml.



Immunohistochemistry of TRIM5d in mouse brain tissue with TRIM5d antibody at 1 ug/ml.



Immunofluorescence of TRIM5 delta in mouse brain tissue with TRIM5 delta antibody at 10 ug/mL.