

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: | NP_149084 Entrez Gene 85363 Human Q9C035 |



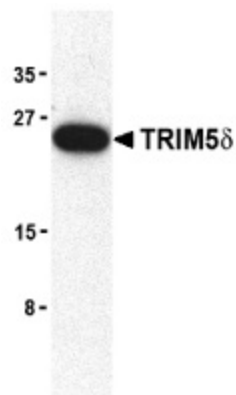
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Background:

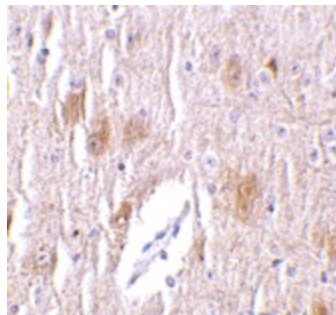
TRIM5 is a member of a broad family of otherwise unrelated proteins defined by the presence of a tripartite motif containing a RING domain, a B-box type 1, and a B-box type 2, followed by a coiled-coil region (1). TRIM5 has five alternately spliced isoforms, the longest of which is the δ variant which 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:

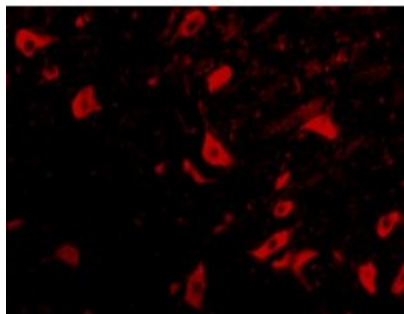
RNF88; TRIM5alpha

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.