

Product datasheet for **TA306150**

TRIM5 alpha (TRIM5) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 2 ug/mL, ICC: 2 ug/mL, IF: 20 ug/mL
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	TRIM5 gamma antibody was raised against a synthetic peptide corresponding to 15 amino acids near the carboxy-terminus of human TRIM5 gamma.
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_149083 Entrez Gene 85363 Human Q9C035



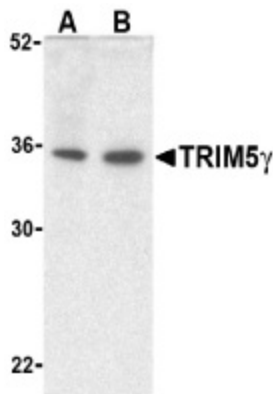
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Background:

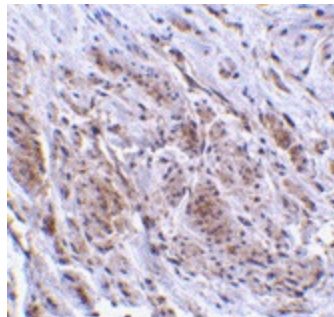
TRIM5 is a member of a broad family of otherwise unrelated proteins defined by the presence of a tripartite motif containing a RING domain, a B-box type 1, and a B-box type 2, followed by a coiled-coil region (1). TRIM5 has five alternately spliced isoforms, the longest of which is the γ variant which also contains a carboxy-terminal B30.2 (SPRY) domain (1). While a function has not yet been assigned to TRIM5 γ , it is known that expression of TRIM5 γ variants from humans, rhesus monkeys, and African green monkeys enable resistance to infection by various retroviruses including HIV-1 (2,3), albeit at differing efficiencies. Furthermore, the TRIM5 γ isoform appears to serve as a scaffold for the assembly of endogenous BTBD1 and BTBD2 proteins and also exhibits autoubiquitination activity in a RING finger- and UbcH5B-dependent manner (4).

Synonyms:

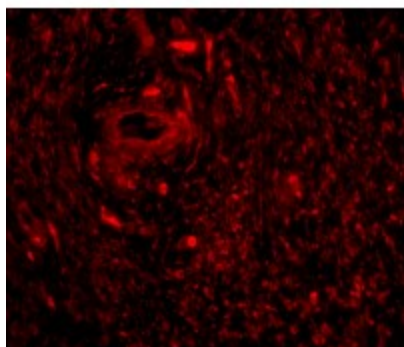
RNF88; TRIM5alpha

Product images:


Western blot analysis of TRIM5 gamma expression in human bladder (A) and colon (B) cell lysate with TRIM5 gamma antibody at 2 ug/ml.



Immunohistochemistry of TRIM5g in human bladder tissue with TRIM5g antibody at 2 ug/ml.



Immunofluorescence of TRIM5 gamma in human bladder tissue with TRIM5 gamma antibody at 20 ug/mL.