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Datasheet for ABIN501054

anti-TRIM5 antibody (C-Term, Isoform alpha)

2 Images

Overview

Quantity:	0.1 mg
Target:	TRIM5
Binding Specificity:	C-Term, Isoform alpha
Reactivity:	Human, Rhesus Monkey
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunofluorescence (IF), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	TRIM5 alpha antibody was raised against a synthetic peptide corresponding to amino acids near the C-terminus of rhesus monkey TRIM5 alpha.
Isotype:	IgG
Specificity:	This antibody detects TRIM5 / RNF88 at C-term.
Cross-Reactivity (Details):	Species reactivity (expected):Rhesus monkeySpecies reactivity (tested):Human
Purification:	Paptide affinity chromatography

Target Details

Target:	TRIM5
Alternative Name:	TRIM5 / RNF88 (TRIM5 Products)
Background:	TRIM5 is a member of a broad family of otherwise unrelated proteins defined by the presence

Target Details

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 six alternately spliced isoforms, the longest of which is the ? 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. All TRIM5alpha variants could inhibit at least two different retroviruses, but not from those viruses isolated from the same species, suggesting that TRIM5alpha acts as a natural barrier to cross-species retrovirus transmission (3).Synonyms: RING finger protein 88, Tripartite motif-containing protein 5

Gene ID: 85363

NCBI Accession: [NP_149023](#)

Pathways: [Activation of Innate immune Response](#)

Application Details

Application Notes: ELISA. Immunofluorescence. Western blot: 1 to 2 µg/mL. A band at approximately 55 kDa can be detected.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Buffer: PBS containing 0.02 % sodium azide

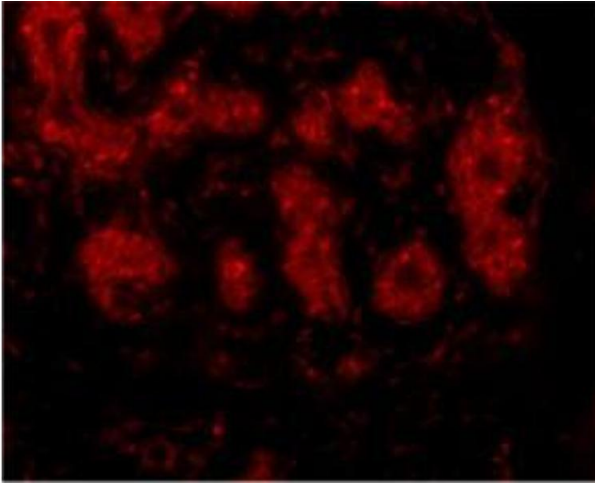
Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

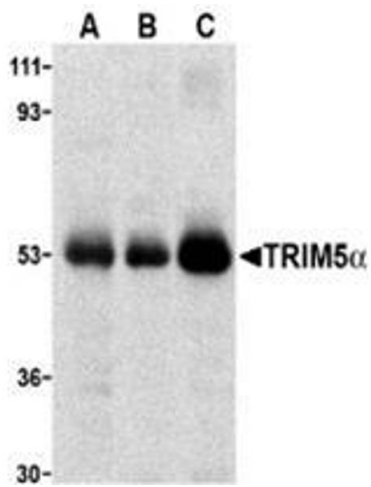
Storage: 4 °C/-20 °C

Storage Comment: Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer.



Immunofluorescence

Image 1. Immunofluorescence of TRIM5 alpha in human breast tissue with this product at 10 µg/ml.



Western Blotting

Image 2. Western blot analysis of TRIM5 alpha expression in human stomach (A), thymus (B), and uterus (C) cell lysate with this product at 2 µg /ml.