

Datasheet for ABIN6990449  
**anti-TRIM5 antibody (AA 390-440)**



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## Overview

Quantity:	0.1 mg
Target:	TRIM5
Binding Specificity:	AA 390-440
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TRIM5 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	TRIM5 alpha antibody was raised against a synthetic peptide corresponding to 19 amino acids near the center of rhesus monkey TRIM5 alpha. The immunogen is located within amino acids 390 - 440 of TRIM5 alpha.
Isotype:	IgG
Specificity:	TRIM5 alpha antibody will not cross-react with other isoforms of TRIM5.
Purification:	TRIM5 alpha Antibody is affinity chromatography purified via peptide column.

## Target Details

Target:	TRIM5
Alternative Name:	TRIM5 alpha ( <a href="#">TRIM5 Products</a> )

## Target Details

Background:	TRIM5 alpha Antibody: 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. TRIM5 has six alternately spliced isoforms, the longest of which is the alpha variant which also contains a carboxy-terminal B30.2 (SPRY) domain. Expression of TRIM5 $\alpha$ , variants from humans, rhesus monkeys, and African green monkeys enabled resistance to infection by various retroviruses including HIV-1, albeit at differing efficiencies. All TRIM5 $\alpha$ , variants could inhibit at least two different retroviruses, but not from those viruses isolated from the same species, suggesting that TRIM5 $\alpha$ , acts as a natural barrier to cross-species retrovirus transmission.
Molecular Weight:	Predicted: 54 kDa  Observed: 54 kDa
Gene ID:	574288
UniProt:	<a href="#">Q0PF16</a>
Pathways:	<a href="#">Activation of Innate immune Response</a>

## Application Details

Application Notes:	TRIM5 alpha antibody can be used for detection of TRIM5 alpha by Western blot at 2 $\mu$ g/mL. Antibody can also be used for immunohistochemistry starting at 2 $\mu$ g/mL.  Antibody validated: Western Blot in human samples and Immunohistochemistry in human samples. All other applications and species not yet tested.
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	TRIM5 alpha Antibody is supplied in 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

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Storage:	-20 °C, 4 °C
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Storage Comment:	TRIM5 alpha antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
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