

Datasheet for ABIN969443

anti-TRIM5 antibody

3 Images

3 Publications

[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	TRIM5
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This TRIM5 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Purified recombinant fragment of human trim5 alpha expressed in E. coli.
Clone:	3B11H2
Isotype:	IgG1
Purification:	purified

Target Details

Target:	TRIM5
Alternative Name:	Trim5 alpha (TRIM5 Products)
Background:	Description: TRIM5-alpha is a protein that is found in the cells of many mammals and fends of various retrovirus infections. It protects monkeys from infection with HIV-1, and humans from infection with some other viruses. If a retrovirus has entered a cell, it needs to shed its capsid in order to reversely transcribe its genes, so that they can be expressed by the host cell. It is

Target Details

believed that TRIM5 alpha, which is present in the cytoplasm, somehow recognizes the capsid and blocks its shedding, thereby stopping the virus in its tracks. It thus represents an intracellular defense completely separate from the rest of the body's immune system.

Aliases: RNF88, TRIM5alpha

Gene ID: 85364

HGNC: 85364

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

Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Ascitic fluid containing 0.03 % sodium azide.

Preservative: Sodium azide

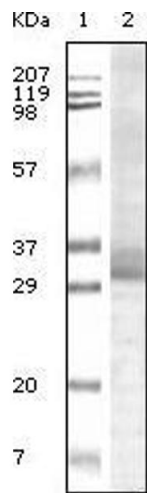
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C/-20 °C

Storage Comment: 4°C, -20°C for long term storage

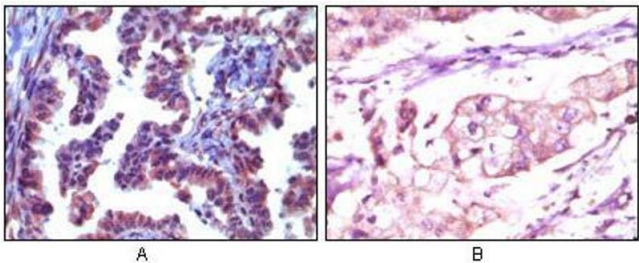
Publications

Product cited in: Li, Xia, Huang, Chen, Su, Li, Wang, Ding, Shao: "A strategy to rapidly identify the functional targets of microRNAs by combining bioinformatics and mRNA cytoplasmic/nucleic ratios in culture cells." in: **FEBS letters**, Vol. 584, Issue 14, pp. 3198-202, (2010) ([PubMed](#)).



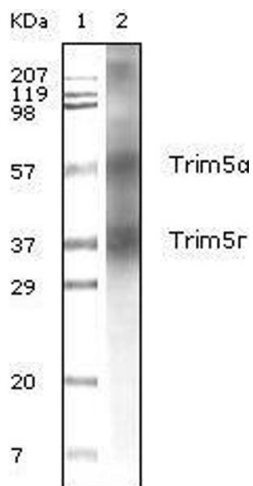
Western Blotting

Image 1. Western blot analysis using Trim5α mouse monoclonal antibody against truncated Trim5α recombinant protein.



Immunohistochemistry

Image 2. Immunohistochemical analysis of paraffin-embedded human metastatic adenocarcinoma (A) and stomach adenocarcinoma (B), showing cytoplasmic localization using Trim5α mouse mAb with AEC staining (A) and DAB staining (B).



Western Blotting

Image 3. Western blot analysis using Trim5α mouse mAb against human breast carcinoma tissue lysate.