

Product datasheet

Anti-TRIM5 alpha antibody ab4389

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概述

产品名称	Anti-TRIM5 alpha抗体
描述	山羊多克隆抗体to TRIM5 alpha
宿主	Goat
特异性	This antibody is expected to recognise all three human isoforms.
经测试应用	适用于: ELISA, WB, IHC-P, ICC/IF
种属反应性	与反应: Cat, Human
免疫原	Synthetic peptide: ASGILVNVKKEEVT , corresponding to N terminal amino acids 2-15 of Human RNF88. Run BLAST with Run BLAST with
阳性对照	Human placenta, uterus and tonsil lysates.
常规说明	Official Gene Symbol - TRIM5. GenBank Accession Number – NP_149023; NP_149083; NP_149084.

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	Preservative: 0.02% Sodium Azide Constituents: 0.5% BSA, 5mg/ml Tris, pH 7.3
纯度	Immunogen affinity purified
纯化说明	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
克隆	多克隆
同种型	IgG

应用

Our [Abpromise guarantee](#) covers the use of **ab4389** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
ELISA		Use at an assay dependent dilution.
WB		Use a concentration of 2 - 6 µg/ml. Detects a band of approximately 38 kDa (predicted molecular weight: 38 kDa).
IHC-P		Use at an assay dependent concentration.
ICC/IF		Use at an assay dependent dilution. PubMed: 19741300

靶标

功能 Isoform Alpha is a retrovirus restriction factor, which mediates species-specific, early block to retrovirus infection. Targets retroviral capsid soon after entry into the cell, and prevents reverse transcription of the virus RNA genome. Isoform Alpha trimers may make multiple contacts with the hexameric lattice of CA proteins which constitute the surface of retroviral core, and somehow inactivate the virus. Restricts efficiently infection by N-MLV, but not HIV-1. May have E3 ubiquitin-protein ligase activity.

通路 Protein modification; protein ubiquitination.

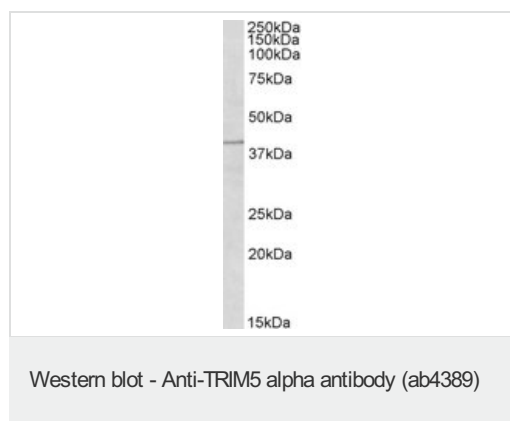
序列相似性 Belongs to the TRIM/RBCC family.
Contains 1 B box-type zinc finger.
Contains 1 B30.2/SPRY domain.
Contains 1 RING-type zinc finger.

结构域 The RING-type zinc finger domain mediates binding to an E2 ubiquitin-conjugating enzyme.

翻译后修饰 Ubiquitinates itself in a RING finger- and UBE2D2-dependent manner (in vitro).

细胞定位 Cytoplasm > P-body. Cytoplasmic bodies.

图片

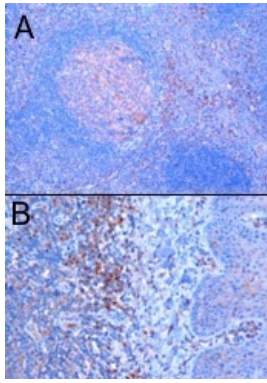


Anti-TRIM5 alpha antibody (ab4389) at 2 µg/ml + Human placenta lysate in RIPA buffer at 35 µg

Predicted band size: 38 kDa

Observed band size: 38 kDa

Primary incubation was 1 hour. Detected by chemiluminescence.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TRIM5 alpha antibody (ab4389)

Ab4389 (1ug/ml) staining human RNF88 in human tonsil by Immunohistochemistry using paraffin embedded tissue. Microwaved antigen retrieval with citrate buffer pH 6, HRP-staining.

A) positive cells next to a secondary follicle

B) positive cells below tonsillar epithelium.

In paraffin embedded Human Tonsil, ab4389 stains a group of cells in the interfollicular area, below the epithelium of tonsillar criptae and weak in germinal centre.



Western blot - Anti-TRIM5 alpha antibody (ab4389)

Anti-TRIM5 alpha antibody (ab4389) at 1 µg/ml + Human Brain lysate (RIPA buffer, 35µg total protein per lane).

Predicted band size: 38 kDa

Observed band size: 37 kDa

Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

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