

Anti-TRIM5 alpha antibody ab190235

★★★★★ [1 Abreviews](#) [3 Images](#)

Overview

| | |
|----------------------------|---|
| Product name | Anti-TRIM5 alpha antibody |
| Description | Rabbit polyclonal to TRIM5 alpha |
| Host species | Rabbit |
| Tested applications | Suitable for: ICC/IF, WB, IHC-P |
| Species reactivity | Reacts with: Human |
| Immunogen | Synthetic peptide within Human TRIM5 alpha (internal sequence). The exact sequence is proprietary. NM_033034.2. Database link: Q9C035 |
| Positive control | Human brain cortex tissue: Human stomach cells: Human stomach, thymus and uterus cell lysates. |
| General notes | <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p> |

Properties

| | |
|-----------------------------|---|
| Form | Liquid |
| Storage instructions | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle. |
| Storage buffer | pH: 7.4 Preservative: 0.02% Sodium azide Constituent: 99% PBS |
| Purity | Immunogen affinity purified |
| Clonality | Polyclonal |
| Isotype | IgG |

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab190235 in the following tested applications.

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

| Application | Abreviews | Notes |
|-------------|-----------|--|
| ICC/IF | | Use at an assay dependent concentration. |
| WB | | Use a concentration of 1 - 2 µg/ml. Predicted molecular weight: 56 kDa. |
| IHC-P | | Use a concentration of 5 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. |

Target

Function

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.

Pathway

Protein modification; protein ubiquitination.

Sequence similarities

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.

Domain

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

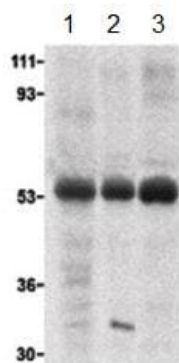
Post-translational modifications

Ubiquitinates itself in a RING finger- and UBE2D2-dependent manner (in vitro).

Cellular localization

Cytoplasm > P-body. Cytoplasmic bodies.

Images



Western blot - Anti-TRIM5 alpha antibody
(ab190235)

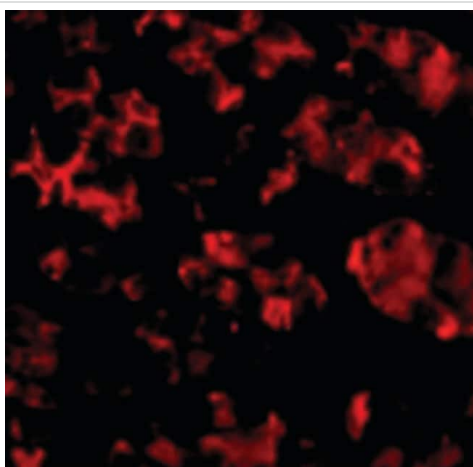
All lanes : Anti-TRIM5 alpha antibody (ab190235) at 2 µg/ml

Lane 1 : Human stomach cell lysate

Lane 2 : Human thymus cell lysate

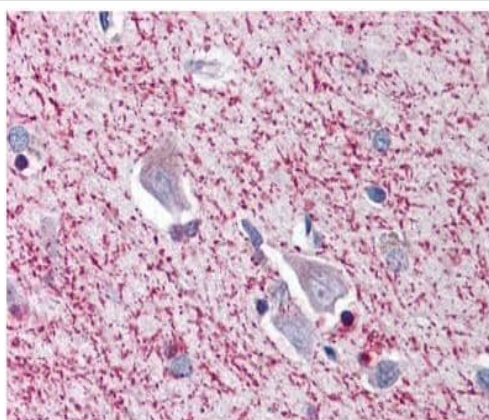
Lane 3 : Human uterus cell lysates

Predicted band size: 56 kDa



Immunocytochemistry/ Immunofluorescence - Anti-
TRIM5 alpha antibody (ab190235)

Immunofluorescent analysis of Human stomach cells labeling TRIM5 alpha with ab190235 at 10 µg/ml.



Immunohistochemistry (Formalin/PFA-fixed paraffin-
embedded sections) - Anti-TRIM5 alpha antibody
(ab190235)

Immunohistochemical analysis of formalin-fixed, paraffin-embedded Human brain, cortex tissue labeling TRIM5 alpha with ab190235 at 2 µg/ml.

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors