Datasheet for 600-401-FP8

TRIM5 delta Antibody

Overview

Description:	Anti-TRIM5 delta (RABBIT) Antibody - 600-401-FP8
Item No.:	600-401-FP8
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	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 five alternately spliced isoforms, the longest of which is the alpha variant which also contains a carboxy-terminal B30.2 (SPRY) domain. Expression of TRIM5a variants from humans, rhesus monkeys, and African green monkeys enabled resistance to infection by various retroviruses including HIV-1, albeit at differing efficiencies. The TRIM5d isoform has been shown to colocalize with the topoisomerase I-interacting proteins BTBD1 and BTBD2 in punctate or elongated cytoplasmic bodies in several mouse and human cells where it appears to serve as a scaffold for the assembly of endogenous BTBD proteins. TRIM5d also exhibits autoubiquitination activity in a RING finger- and UbcH5B-dependent manner.
Synonyms:	TRIM5 delta Antibody, RNF88, TRIM5alpha, RNF88, Tripartite motif-containing protein 5, RING finger protein 88
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	TRIM5
Reactivity:	Human
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-TRIM5 delta antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to 13 amino acids near the C-terminus of human TRIM5 delta.
Purity/Specificity:	Anti-TRIM5 delta Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with TRIM5 delta from other sources has not been determined.
Relevant Links:	• UniProtKB - Q9C035 • GeneID - 85363 • NCBI - NP_149023.2

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-TRIM5 delta Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 56 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:20,000
IF:	10 µg/mL
IHC:	1 µg/mL
WB:	2 µg/mL

Formulation

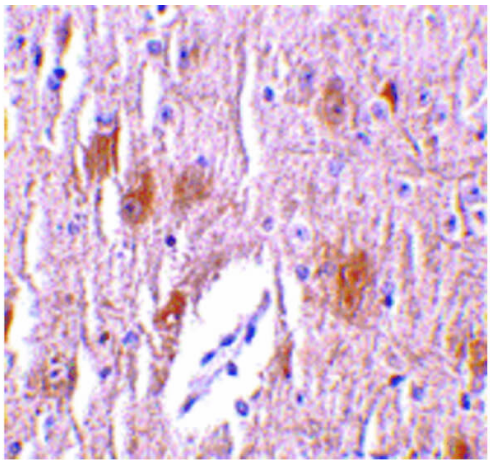
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

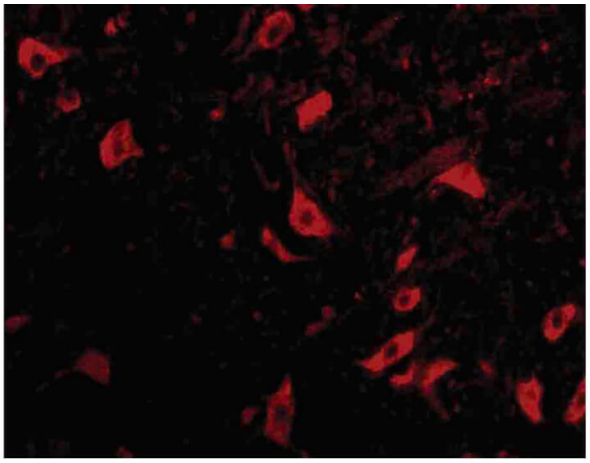
Shipping Condition:	Dry Ice

Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

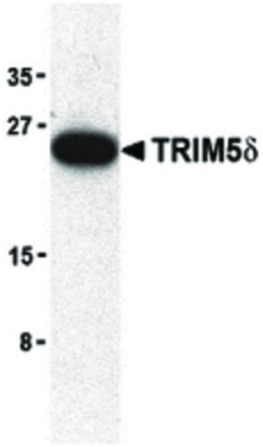
Images



Immunohistochemistry
Immunohistochemistry of TRIM5 delta antibody. Tissue: mouse brain tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: TRIM5 delta antibody at 1 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: TRIM5 delta is nuclear. Staining: TRIM5 delta is stained with hematoxylin purple nuclear counterstain.



Immunofluorescence Microscopy
Immunofluorescence Microscopy of TRIM5 delta antibody. Tissue: mouse brain tissue. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: TRIM5 delta antibody at 10 µg/mL for 1 h at RT. Secondary antibody: Fluorescein rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: TRIM5 delta is nuclear and occasionally cytoplasmic. Staining: TRIM5 delta as red fluorescent signal.



Western Blot

Western Blot of Rabbit TRIM5 delta antibody in mouse brain cell lysate. Load: 35 µg per lane. Primary antibody: TRIM5 delta antibody at 2 µg/mL for overnight at 4°C. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 89 kDa, 25 kDa for TRIM5 delta. Other band(s): TRIM5 delta splice variants and isoforms.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.