

Datasheet for 600-401-H28**TRIM5 alpha Antibody****Overview**

Description:	Anti-TRIM5 alpha (RABBIT) Antibody - 600-401-H28
Item No.:	600-401-H28
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	Trim5 antibody detects rhesus monkey Trim5 alpha. 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. Anti-TRIM5 alpha is ideal for investigators involved in infectious disease research.
Synonyms:	RNF88
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

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

Immunogen:	TRIM5 alpha Antibody was produced from whole rabbit serum prepared by repeated immunizations with a synthetic peptide corresponding to amino acids near the C-terminus of rhesus monkey TRIM5 alpha.
Purity/Specificity:	Anti-TRIM5 alpha Antibody was affinity purified from monospecific antiserum by immunoaffinity purification. A BLAST analysis was used to suggest cross-reactivity with TRIM5 alpha with Human based on 100% homology with the immunizing sequence. Cross-reactivity with TRIM5 alpha from other sources has not been determined. Anti-TRIM5 alpha is human specific but should presumably also react with rhesus protein.
Relevant Links:	• NCBI - NP_001028082.1 • UniProtKB - Q0PF16 • GeneID - 574288

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-TRIM5 alpha Antibody is tested for use in E, WB, IHC, and IF. Expect a band approximately ~356.3 kDa on specific lysates. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
IF:	4µg/mL
IHC:	5µg/mL
WB:	1-2µg/mL

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

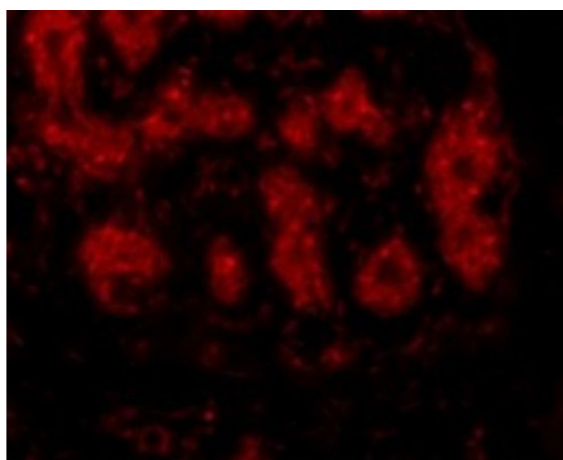
Shipping & Handling

Shipping Condition:	Dry Ice
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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

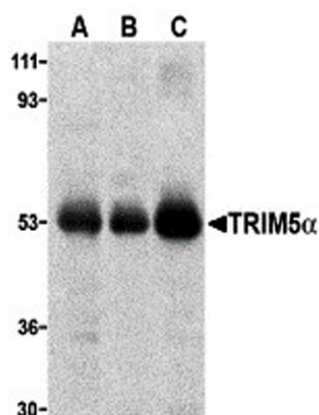


Immunofluorescence Microscopy

Immunofluorescence of TRIM5 alpha.

Tissue: human breast tissue.

Primary Antibody: Anti-TRIM5 alpha antibody at 10 µg/mL.



Western Blot

Western blot analysis of TRIM5 alpha.

Load: Lane: (A) human stomach, (B) thymus, and (C) uterus tissue lysate.

Primary Antibody: Anti-TRIM5 alpha antibody at 2 µg/mL.

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.