

Datasheet for 600-401-FP4**TRIM30 Antibody****Overview**

Description:	Anti-TRIM30 (RABBIT) Antibody - 600-401-FP4
Item No.:	600-401-FP4
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	TRIM30 belongs to a family of the tripartite motif (TRIM) proteins involved in the regulation of cell proliferation, differentiation, development, oncogenesis, apoptosis and antiviral responses. The TRIM protein family is an expanding family of RING ('really interesting new gene') proteins, also known as RBCC proteins as they contain an RBCC motif, which comprises a RING domain, one or two B-boxes and a predicted coiled-coil region. Studies have shown that some TRIM family members are critical to innate immunity; TRIM5, TRIM19 and TRIM25, for example, have been shown to restrict viral infection. A recent study shows that TRIM30 functions as a negative modulator of the TLR signaling pathway, by targeting TAB2 and TAB3, and contributes to the inhibition of TLR-mediated NF-κB activation. The importance of TRIM30 in the attenuation or termination of NF-κB activation suggests that targeting of TAB2 and TAB3 by TRIM30α may be a mechanism for modulating many types of immune responses.
Synonyms:	TRIM30 Antibody, Rpt1, Rpt-1, Trim30, Rpt1, Tripartite motif-containing protein 30A, Down regulatory protein of interleukin-2 receptor
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	Trim30a
Reactivity:	Mouse, Rat

Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-TRIM30 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 24 amino acid synthetic peptide near the N-terminus of the mouse TRIM30.
Purity/Specificity:	Anti-TRIM30 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with TRIM30 from other sources has not been determined.
Relevant Links:	• UniProtKB - P15533 • GeneID - 20128 • NCBI - NP_033125.2

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-TRIM30 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 57 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:	1:10,000 - 1:20,000
IF:	20 µg/mL
IHC:	10 µg/mL
WB:	1-2 µg/mL

Formulation

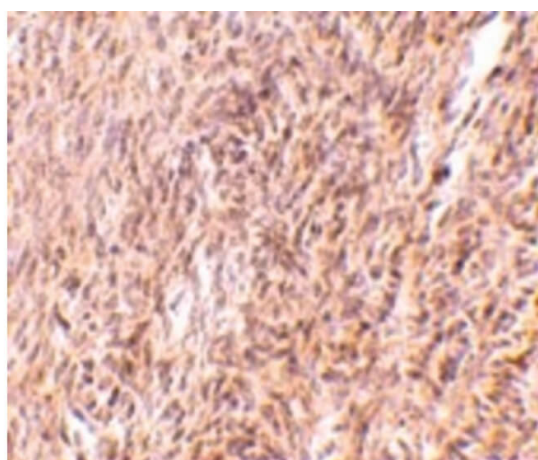
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

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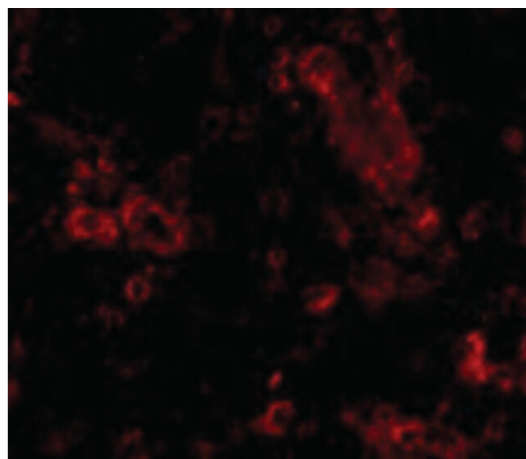
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted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

Images



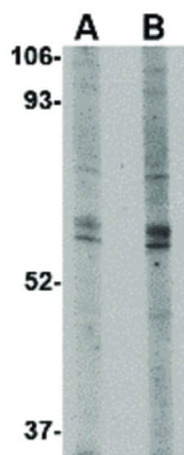
Immunohistochemistry

Immunohistochemistry of TRIM30 antibody. Tissue: Mouse ovary tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: TRIM30 antibody at 10 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: TRIM30 is nuclear and occasionally cytoplasmic. Staining: TRIM30 as a precipitated red signal with hematoxylin purple nuclear counterstain.



Immunofluorescence Microscopy

Immunofluorescence Microscopy of TRIM30 antibody. Tissue: Human ovary cells. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: TRIM30 antibody at 20 µg/mL for 1 h at RT. Secondary antibody: Fluorescein rabbit secondary antibody at 1:10,000 for 45 min at RT. Staining: TRIM30 as a red fluorescent signal.

**Western Blot**

Western Blot of TRIM30 antibody. Lane A: Mouse heart tissue lysate at 1 $\mu\text{g/mL}$. Lane B: Mouse heart tissue lysate at 2 $\mu\text{g/mL}$. Load: 35 μg per lane. 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: 54.1 kDa, ~64 kDa for TRIM30.

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.