

**Datasheet for 600-401-FQ1****TRIP12 Antibody****Overview**

<b>Description:</b>	Anti-TRIP12 (RABBIT) Antibody - 600-401-FQ1
<b>Item No.:</b>	600-401-FQ1
<b>Size:</b>	100 µg
<b>Applications:</b>	ELISA, IF, IHC, WB
<b>Reactivity:</b>	Human, Mouse, Rat
<b>Host Species:</b>	Rabbit

**Product Details**

<b>Background:</b>	Thyroid hormone receptors (TRs) are transcription factors that regulate the expression of specific genes in a hormone-dependent manner (1). TRIP12 (thyroid hormone receptor interactor 12) is an ATP-dependent E3 ubiquitin ligase involved in the human ubiquitin fusion degradation (UFD) pathway and also modulates the NEDD8 pathway (2,3). TRIP12 contains one WWE domain and a single HECT (E6AP-type E3 ubiquitin-protein ligase) domain suggested to contain a noncovalent ubiquitin-binding site (4). TRIP12 acts as a key regulator of DNA damage response and the ubiquitin ligase activity of TRIP12 is essential for mouse development (5).
<b>Synonyms:</b>	TRIP12 Antibody, ULF, TRIP-12, KIAA0045, ULF, E3 ubiquitin-protein ligase TRIP12, E3 ubiquitin-protein ligase for Arf
<b>Host Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>Format:</b>	IgG

**Target Details**

<b>Gene Name:</b>	TRIP12
<b>Reactivity:</b>	Human, Mouse, Rat
<b>Immunogen Type:</b>	Conjugated Peptide
<b>Immunogen:</b>	Anti-TRIP12 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 18 amino acid peptide near the C-terminus of human TRIP12.

**Purity/Specificity:** Anti-TRIP12 antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. TRIP12 antibody is human, mouse and rat reactive. At least four isoforms are known to exist.

**Relevant Links:**

- [UniProtKB - Q14669](#)
- [GeneID - 9320](#)
- [NCBI - NP\\_001271143.1](#)

## Application Details

**Tested Applications:** ELISA, IF, IHC, WB

**Application Note:** Anti-TRIP12 Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry, immunocytochemistry, and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 220 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:** 5 µg/mL

**WB:** 1-2 µg/mL

## Formulation

**Physical State:** Liquid (sterile filtered)

**Concentration:** 1.0 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

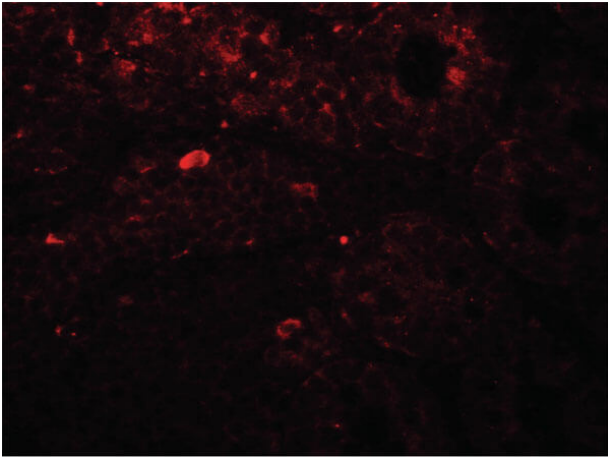
## Shipping & Handling

**Shipping Condition:** Wet Ice

**Storage Condition:** Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.

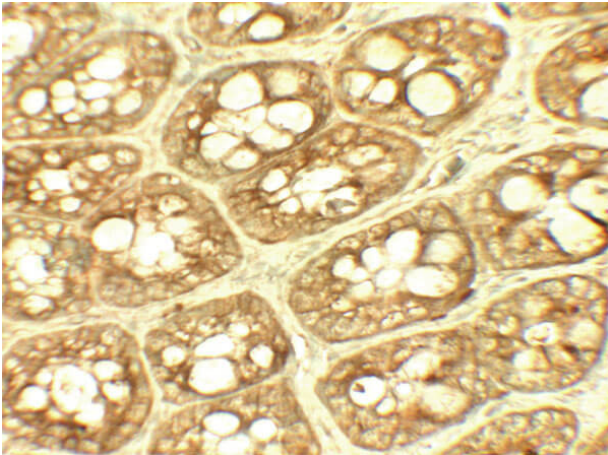
**Expiration:** Expiration date is one (1) year from date of receipt.

## Images



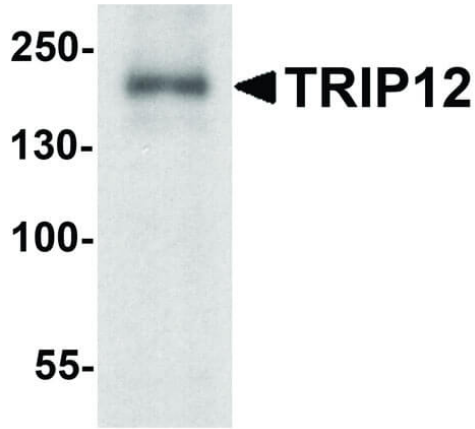
### **Immunofluorescence Microscopy**

Immunofluorescence Microscopy of Rabbit anti-TRIP12 antibody. Tissue: rat colon. Primary antibody: TRIP12 antibody at 20  $\mu\text{g}/\text{mL}$ . Secondary antibody: Fluorescein rabbit secondary antibody at 1:20,000. Localization: TRIP12 is nuclear. Staining: TRIP12 as red fluorescent signal.



### **Immunohistochemistry**

Immunohistochemistry of Rabbit anti-TRIP12 antibody. Tissue: rat colon tissue. Primary antibody: TRIP12 antibody at 5  $\mu\text{g}/\text{mL}$ . Secondary antibody: Peroxidase rabbit secondary antibody at 1:5,000. Localization: TRIP12 is nuclear. Staining: TRIP12 as precipitated brown signal.

**Western Blot**

Western Blot of Rabbit anti-TRIP12 antibody. Lane A: rat colon tissue lysate. Primary antibody: TRIP12 antibody at 1  $\mu\text{g}/\text{mL}$  overnight at 4C. Secondary antibody: Goat anti-rabbit HRP secondary antibody. Block: 5% BLOTTO. Predicted/Observed size: 219 kDa, 220 kDa for TRIP12.

**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.