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Datasheet for 600-401-FQ1

# TRIP12 Antibody

## Overview

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

## Product Details

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| **Background:** | 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). |
| **Synonyms:** | TRIP12 Antibody, ULF, TRIP-12, KIAA0045, ULF, E3 ubiquitin-protein ligase TRIP12, E3 ubiquitin-protein ligase for Arf |
| **Host Species:** | Rabbit |
| **Clonality:** | Polyclonal |
| **Format:** | IgG |

## Target Details

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| **Gene Name:** | TRIP12 |
| **Reactivity:** | Human, Mouse, Rat |
| **Immunogen Type:** | Conjugated Peptide |
| **Immunogen:** | 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. |

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| **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<br>• GeneID - 9320<br>• NCBI - NP_001271143.1 |

## Application Details

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| **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

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| **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

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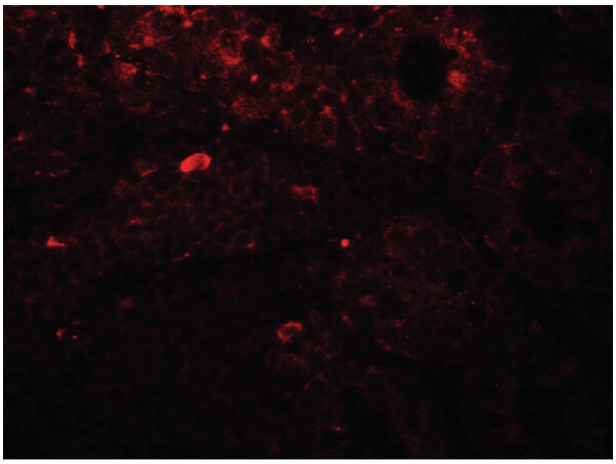
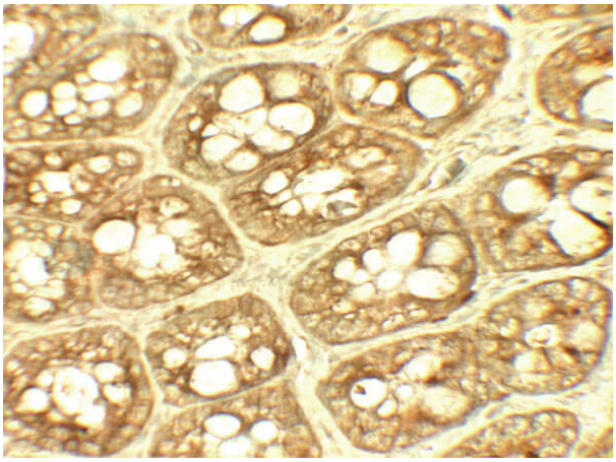
| **Shipping Condition:** | Wet Ice |
| **Storage Condition:** | Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures. |

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

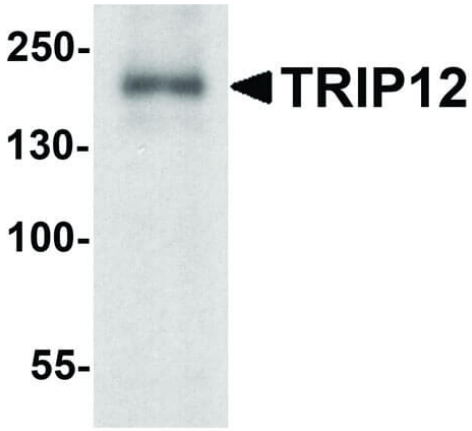
## Images



**Immunofluorescence Microscopy**
Immunofluorescence Microscopy of Rabbit anti-TRIP12 antibody. Tissue: rat colon. Primary antibody: TRIP12 antibody at 20 µg/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 µg/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 µg/mL overnight at 4℃. Secondary antibody: Goat anti-rabbit HRP secondary antibody. Block: 5% BLOTTO.
Predicted/Observed size: 219 kDa, 220 kDa for TRIP12.

## Disclaimer