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TRIM38 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP13405b

Specification

TRIM38 Antibody (C-term) - Product Information

Application	**WB, IHC-P, FC,E**
Primary Accession	O00635
Other Accession	Q58DK8, NP_006346.1
Reactivity	**Human**
Predicted	**Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**53416**
Antigen Region	**423-451**

TRIM38 Antibody (C-term) - Additional Information

Gene ID 10475

Other Names
E3 ubiquitin-protein ligase TRIM38, 632-, RING finger protein 15, Tripartite motif-containing protein 38, Zinc finger protein RoRet, TRIM38, RNF15, RORET

Target/Specificity
This TRIM38 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 423-451 amino acids from the C-terminal region of human TRIM38.

Dilution
WB~~1:1000
IHC-P~~1:10~50
FC~~1:10~50

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
TRIM38 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

TRIM38 Antibody (C-term) - Protein Information

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Name TRIM38 {ECO:0000303|PubMed:23056470, ECO:0000312|HGNC:HGNC:10059}

Function E3 ubiquitin-protein and E3 SUMO-protein ligase that acts as a regulator of innate immunity (PubMed:23056470). Acts as a negative regulator of type I interferon IFN-beta production by catalyzing 'Lys- 48'-linked polyubiquitination of AZI2/NAP1, leading to its degradation (By similarity). Mediates 'Lys-48'-linked polyubiquitination and proteasomal degradation of the critical TLR adapter TICAM1, inhibiting TLR3-mediated type I interferon signaling (PubMed:23056470). Acts as positive regulator of the cGAS-STING pathway by acting as a E3 SUMO- protein ligase: mediates sumoylation of CGAS and STING, preventing their degradation and thereby activating the innate immune response to DNA virus (By similarity). Also acts as a negative regulator of NF- kappa-B signaling independently of its E3 protein ligase activity by promoting lysosome-dependent degradation of TAB2 and TAB3 adapters (PubMed:24434549).

Cellular Location
Cytoplasm {ECO:0000250|UniProtKB:Q5SZ99}.

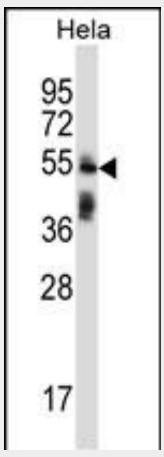
Tissue Location
Ubiquitous..

TRIM38 Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

TRIM38 Antibody (C-term) - Images



TRIM38 Antibody (C-term) (Cat. #AP13405b) western blot analysis in Hela cell line lysates (35ug/lane).This demonstrates the TRIM38 antibody detected the TRIM38 protein (arrow).

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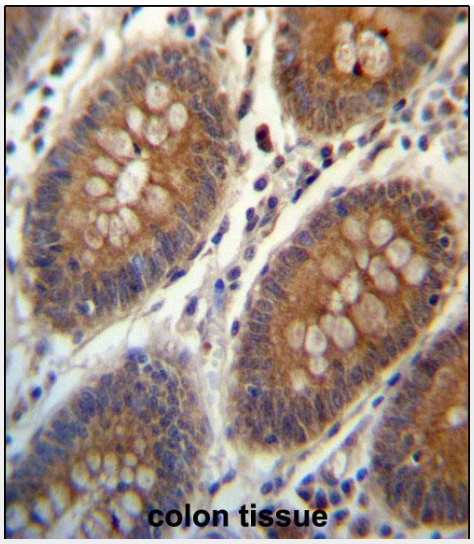
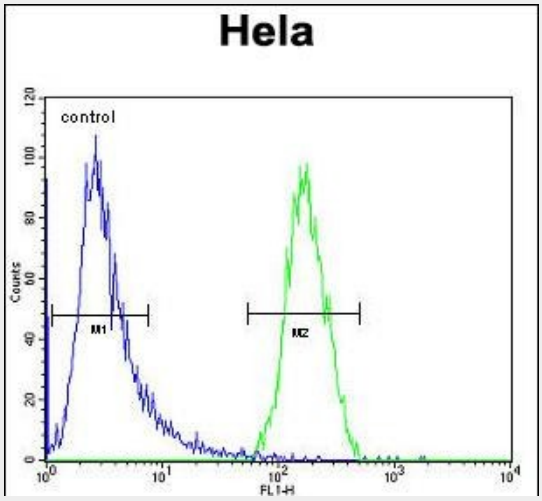


TRIM38 Antibody (C-term) (Cat. #AP13405b)immunohistochemistry analysis in formalin fixed and paraffin embedded human colon tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of TRIM38 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



TRIM38 Antibody (C-term) (Cat. #AP13405b) flow cytometric analysis of Hela cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

TRIM38 Antibody (C-term) - Background

The protein encoded by this gene is a member of the tripartite motif (TRIM) family. The TRIM motif includes three zinc-binding domains, a RING, a B-box type 1 and a B-box type 2, and a coiled-coil region. The function of this protein has not been identified.

TRIM38 Antibody (C-term) - References

Benyamin, B., et al. Am. J. Hum. Genet. 84(1):60-65(2009)
Matsuda, A., et al. Oncogene 22(21):3307-3318(2003)
Chen, D., et al. J. Biol. Chem. 277(18):15985-15991(2002)
Reymond, A., et al. EMBO J. 20(9):2140-2151(2001)
Ruddy, D.A., et al. Genome Res. 7(5):441-456(1997)