

TRIM38 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP13405b**Specification**

TRIM38 Antibody (C-term) Blocking peptide - Product InformationPrimary Accession [O00635](#)**TRIM38 Antibody (C-term) Blocking peptide - 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

The synthetic peptide sequence used to generate the antibody AP13405b was selected from the C-term region of TRIM38. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

TRIM38 Antibody (C-term) Blocking peptide - Protein Information**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) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

TRIM38 Antibody (C-term) Blocking peptide - Images**TRIM38 Antibody (C-term) Blocking peptide - 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) Blocking peptide - 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)