

TRIM31 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP13642b**Specification**

TRIM31 Antibody (C-term) Blocking peptide - Product InformationPrimary Accession [Q9BZY9](#)**TRIM31 Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 11074**Other Names**

E3 ubiquitin-protein ligase TRIM31, 632-, Tripartite motif-containing protein 31, TRIM31, C6orf13, RNF

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13642b was selected from the C-term region of TRIM31. 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.

TRIM31 Antibody (C-term) Blocking peptide - Protein Information**Name** TRIM31 {ECO:0000303|PubMed:11331580, ECO:0000312|HGNC:HGNC:16289}**Function**

E3 ubiquitin-protein ligase that acts as a regulator of antiviral immune response and inflammation by mediating ubiquitination of substrates (PubMed:18773414, PubMed:27929086, PubMed:27992402). Acts as a regulator of innate immune defense against viruses by mediating 'Lys-63'-linked ubiquitination of MAVS, promoting MAVS polymerization and formation of three-stranded helical filaments on mitochondria (PubMed:27992402). Acts as a negative regulator of the NLRP3 inflammasome by catalyzing 'Lys-48'-linked ubiquitination of NLRP3, leading to its degradation (PubMed:27929086). Regulator of Src-induced anchorage independent cell growth (By similarity).

Cellular Location

Cytoplasm. Mitochondrion. Note=Predominantly expressed in the cytoplasm but a fraction is associated with the mitochondria (PubMed:18773414). Recruited to mitochondria after viral infection (PubMed:27992402).

Tissue Location

Up-regulated in gastric adenocarcinomas.

TRIM31 Antibody (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

TRIM31 Antibody (C-term) Blocking peptide - Images**TRIM31 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 protein localizes to both the cytoplasm and the nucleus. Its function has not been identified.

TRIM31 Antibody (C-term) Blocking peptide - References

Cirulli, E.T., et al. Eur. J. Hum. Genet. 18(7):815-820(2010) Barcellos, L.F., et al. PLoS Genet. 5 (10), E1000696 (2009) :Wang, A.G., et al. Biochem. Biophys. Res. Commun. 345(3):1022-1032(2006) Shiina, T., et al. Genetics 173(3):1555-1570(2006) Oh, J.H., et al. Mamm. Genome 16(12):942-954(2005)