

TRIM39 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP13466c**Specification**

TRIM39 Antibody (Center) Blocking peptide - Product InformationPrimary Accession [O9HCM9](#)**TRIM39 Antibody (Center) Blocking peptide - Additional Information**

Gene ID 56658

Other Names

E3 ubiquitin-protein ligase TRIM39, 632-, RING finger protein 23, Testis-abundant finger protein, Tripartite motif-containing protein 39, TRIM39, RNF23, TFP

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13466c was selected from the Center region of TRIM39. 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.

TRIM39 Antibody (Center) Blocking peptide - Protein Information

Name TRIM39

Synonyms RNF23, TFP

Function

[Isoform 1]: E3 ubiquitin-protein ligase (PubMed:[22529100](http://www.uniprot.org/citations/22529100)). May facilitate apoptosis by inhibiting APC/C-Cdh1-mediated poly-ubiquitination and subsequent proteasome-mediated degradation of the pro-apoptotic protein MOAP1 (PubMed:[19100260](http://www.uniprot.org/citations/19100260)), PubMed:[22529100](http://www.uniprot.org/citations/22529100)). Regulates the G1/S transition of the cell cycle and DNA damage-induced G2 arrest by stabilizing CDKN1A/p21 (PubMed:[23213251](http://www.uniprot.org/citations/23213251)). Positively regulates CDKN1A/p21 stability by competing with DTL for CDKN1A/p21 binding, therefore disrupting DCX(DTL) E3 ubiquitin ligase complex-mediated CDKN1A/p21 ubiquitination

and degradation (PubMed:23213251).

Cellular Location

[Isoform 1]: Cytoplasm, cytosol. Mitochondrion. Nucleus Note=Found predominantly in the cytosol. Partial shift from the cytosol to the mitochondria when colocalized with MOAP1. Colocalizes with CDKN1A in the nucleus.

Tissue Location

Ubiquitous; highly expressed in brain, heart, kidney, liver, skeletal muscle, spleen and testis

TRIM39 Antibody (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

TRIM39 Antibody (Center) Blocking peptide - Images

TRIM39 Antibody (Center) 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. This gene lies within the major histocompatibility complex class I region on chromosome 6. Alternate splicing results in two transcript variants encoding different isoforms. [provided by RefSeq].

TRIM39 Antibody (Center) Blocking peptide - References

Kurata, R., et al. Biochem. Biophys. Res. Commun. 401(4):533-537(2010) Barcellos, L.F., et al. PLoS Genet. 5 (10), E1000696 (2009) :Lee, S.S., et al. Exp. Cell Res. 315(7):1313-1325(2009) Roberts, J.D. Jr., et al. Am. J. Physiol. Lung Cell Mol. Physiol. 293 (4), L903-L912 (2007) :Wu, C., et al. Proteomics 7(11):1775-1785(2007)