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TRIM39 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13466c

Specification

TRIM39 Antibody (Center) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	Q9HCM9
Other Accession	NP_742013.1, NP_067076.2
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**59690**
Antigen Region	**248-277**

TRIM39 Antibody (Center) - 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
This TRIM39 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 248-277 amino acids from the Central region of human TRIM39.

Dilution
WB~~1:1000
IHC-P~~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
TRIM39 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

TRIM39 Antibody (Center) - Protein Information

Name TRIM39

Synonyms RNF23, TFP

Function [Isoform 1]: E3 ubiquitin-protein ligase (PubMed: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, PubMed:22529100). Regulates the G1/S transition of the cell cycle and DNA damage-induced G2 arrest by stabilizing CDKN1A/p21 (PubMed: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.

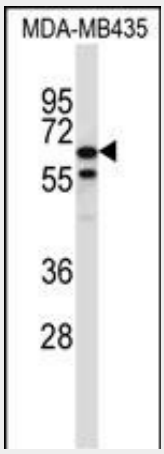
Tissue Location
Ubiquitous; highly expressed in brain, heart, kidney, liver, skeletal muscle, spleen and testis

TRIM39 Antibody (Center) - 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

TRIM39 Antibody (Center) - Images



TRIM39 Antibody (Center) (Cat. #AP13466c) western blot analysis in MDA-MB435 cell line lysates (35ug/lane).This demonstrates the TRIM39 antibody detected the TRIM39 protein (arrow).

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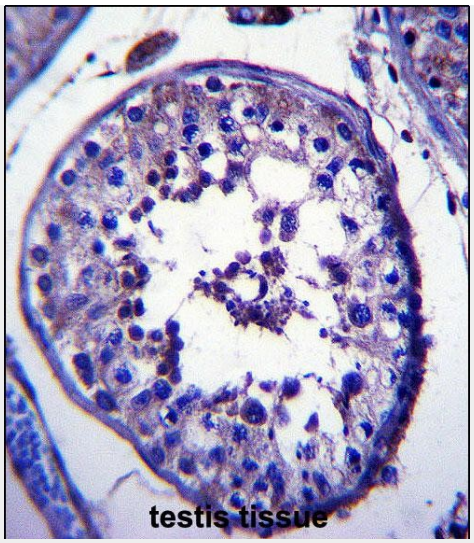

TRIM39 Antibody (Center) (Cat. #AP13466c)immunohistochemistry analysis in formalin fixed and paraffin embedded human testis tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of TRIM39 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

TRIM39 Antibody (Center) - 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) - References

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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)