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TRIM31 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13642B

Specification

TRIM31 Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	Q9BZY9
Other Accession	NP_008959.3
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**48244**
Antigen Region	**279-307**

TRIM31 Antibody (C-term) - Additional Information

Gene ID 11074

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

Target/Specificity
This TRIM31 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 279-307 amino acids from the C-terminal region of human TRIM31.

Dilution
WB~~1:1000

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
TRIM31 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

TRIM31 Antibody (C-term) - 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 t omitochondria after viral infection (PubMed:27992402).

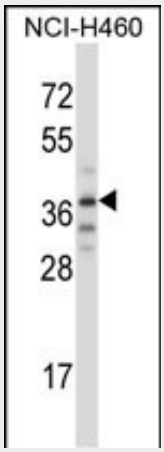
Tissue Location
Up-regulated in gastric adenocarcinomas.

TRIM31 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

TRIM31 Antibody (C-term) - Images



TRIM31 Antibody (C-term) (Cat. #AP13642b) western blot analysis in NCI-H460 cell line lysates (35ug/lane).This demonstrates the TRIM31 antibody detected the TRIM31 protein (arrow).

TRIM31 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 protein localizes to both the

cytoplasm and the nucleus. Its function has not been identified.

TRIM31 Antibody (C-term) - 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)