

**TRIM59 Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP11633a****Specification**

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**TRIM59 Antibody (N-term) - Product Information**

Application	WB, IHC-P, IF,E
Primary Accession	<a href="#">Q8IWR1</a>
Other Accession	<a href="#">NP_775107.1</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	47114
Antigen Region	68-96

**TRIM59 Antibody (N-term) - Additional Information****Gene ID** 286827**Other Names**

Tripartite motif-containing protein 59, RING finger protein 104, Tumor suppressor TSBF-1, TRIM59, RNF104, TRIM57, TSBF1

**Target/Specificity**

This TRIM59 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 68-96 amino acids from the N-terminal region of human TRIM59.

**Dilution**

WB~~1:1000  
IHC-P~~1:10~50  
IF~~1:10~50  
E~~Use at an assay dependent concentration.

**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**

TRIM59 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**TRIM59 Antibody (N-term) - Protein Information**

**Name** TRIM59

**Synonyms** RNF104, TRIM57, TSBF1

**Function** E3 ubiquitin ligase involved in different processes such as development and immune response (PubMed:[22588174](#), PubMed:[30231667](#)). Serves as a negative regulator for innate immune signaling pathways by suppressing RLR-induced activation of IRF3/7 and NF-kappa-B via interaction with adapter ECSIT (PubMed:[22588174](#)). Regulates autophagy through modulating both the transcription and the ubiquitination of BECN1 (PubMed:[30231667](#)). On the one hand, regulates the transcription of BECN1 through negatively modulating the NF-kappa-B pathway. On the other hand, regulates TRAF6-mediated 'Lys-63'-linked ubiquitination of BECN1, thus affecting the formation of the BECN1-PIK3C3 complex. In addition, mediates 'Lys-48'-linked ubiquitination of TRAF6 and thereby promotes TRAF6 proteasomal degradation (PubMed:[30231667](#)). Also acts as a critical regulator for early embryo development from blastocyst stage to gastrula through modulating F-actin assembly and WASH1 'Lys-63'- linked ubiquitination (By similarity).

**Cellular Location**

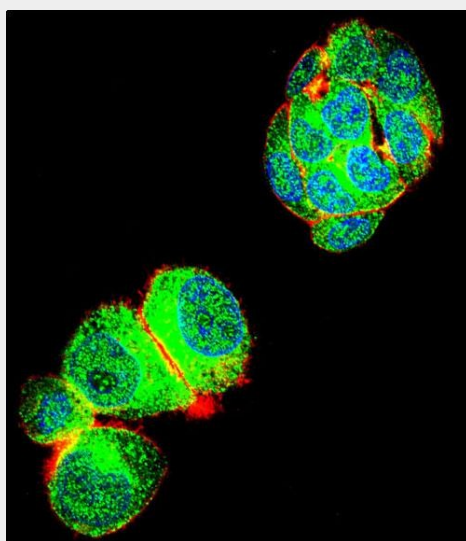
Endoplasmic reticulum membrane; Single-pass membrane protein

**TRIM59 Antibody (N-term) - Protocols**

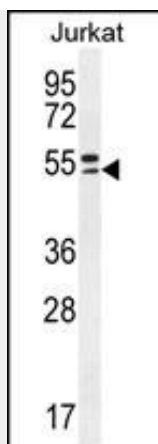
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

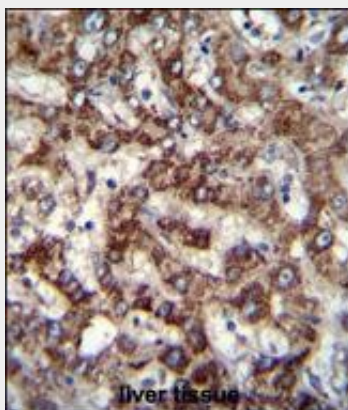
**TRIM59 Antibody (N-term) - Images**



Confocal immunofluorescent analysis of TRIM59 Antibody (N-term)(Cat#AP11633a) with HepG2 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Actin filaments have been labeled with Alexa Fluor 555 phalloidin (red). DAPI was used to stain the cell nuclear (blue).



TRIM59 Antibody (N-term) (Cat. #AP11633a) western blot analysis in Jurkat cell line lysates (35ug/lane). This demonstrates the TRIM59 antibody detected the TRIM59 protein (arrow).



TRIM59 Antibody (N-term) (Cat. #AP11633a) immunohistochemistry analysis in formalin fixed and paraffin embedded human liver tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of TRIM59 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

#### **TRIM59 Antibody (N-term) - Background**

The function of TRIM59 remains unknown.

#### **TRIM59 Antibody (N-term) - References**

Georgescu, S.P., et al. Mol. Endocrinol. 19(10):2491-2501(2005)  
Chang, R., et al. Gene 291 (1-2), 241-249 (2002) :