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TRIM59 Polyclonal Antibody

Catalog # AP72920

Product Information

Application	WB, IHC-P, IF
Primary Accession	Q8IWR1
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	47114

Additional Information

Gene ID	286827
Other Names	TRIM59; RNF104; TRIM57; TSBF1; Tripartite motif-containing protein 59; RING finger protein 104; Tumor suppressor TSBF-1
Dilution	WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/40000. Not yet tested in other applications. IHC-P~~N/A IF~~1:50~200
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

Protein Information

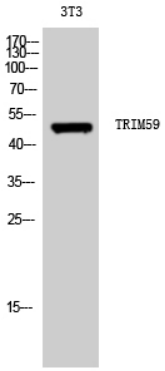
Name	TRIM59
Synonyms	RNF104, TRIM57, TSBF1
Function	E3 ubiquitin ligase involved in different processes such as development and immune response (PubMed:22588174, PubMed:30231667). Serves as a negative regulator for innate immune signaling pathways by suppressing RLR-induced activation of IRF3/7 and NF-kappa-B 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

Background

May serve as a multifunctional regulator for innate immune signaling pathways.

Images



Western Blot analysis of 3T3 cells using TRIM59 Polyclonal Antibody. Secondary antibody was diluted at 1:20000