

RNF15 Polyclonal Antibody

Catalog # AP72340

Product Information

Application	WB, IHC-P
Primary Accession	O00635
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	53416

Additional Information

Gene ID	10475
Other Names	TRIM38; RNF15; RORET; Tripartite motif-containing protein 38; RING finger protein 15; Zinc finger protein RoRet
Dilution	WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications. IHC-P~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20°C

Protein Information

Name	TRIM38 {ECO:0000303 PubMed:23056470, ECO:0000312 HGNC:HGNC:10059}
Function	E3 ubiquitin-protein and E3 SUMO-protein ligase that acts as a regulator of innate immunity (PubMed: 23056470). Acts as a negative regulator of type I interferon IFN-beta production by catalyzing 'Lys- 48'-linked polyubiquitination of AZI2/NAP1, leading to its degradation (By similarity). Mediates 'Lys-48'-linked polyubiquitination and proteasomal degradation of the critical TLR adapter TICAM1, inhibiting TLR3-mediated type I interferon signaling (PubMed: 23056470). Acts as positive regulator of the cGAS-STING pathway by acting as a E3 SUMO- protein ligase: mediates sumoylation of CGAS and STING, preventing their degradation and thereby activating the innate immune response to DNA virus (By similarity). Also acts as a negative regulator of NF- kappa-B signaling independently of its E3 protein ligase activity by promoting lysosome-dependent degradation of TAB2 and TAB3 adapters (PubMed: 24434549).
Cellular Location	Cytoplasm {ECO:0000250 UniProtKB:Q5SZ99}.

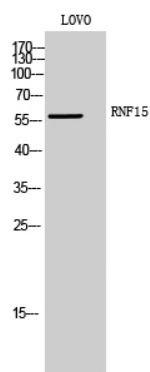
Tissue Location

Ubiquitous..

Background

E3 ubiquitin-protein ligase. Mediates 'Lys-48'-linked polyubiquitination and proteasomal degradation of the critical TLR adapter TICAM1, inhibiting TLR3-mediated type I interferon signaling.

Images



Western Blot analysis of LOVO cells using RNF15 Polyclonal Antibody

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