

**RNF15 Polyclonal Antibody**  
**Catalog # AP72340****Specification****RNF15 Polyclonal Antibody - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | WB                     |
| Primary Accession | <a href="#">O00635</a> |
| Reactivity        | Human, Mouse           |
| Host              | Rabbit                 |
| Clonality         | Polyclonal             |

**RNF15 Polyclonal Antibody - 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.

**Format**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

**Storage Conditions**

-20°C

**RNF15 Polyclonal Antibody - 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:<a href="http://www.uniprot.org/citations/23056470" target="\_blank">23056470</a>). 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:<a href="http://www.uniprot.org/citations/23056470" target="\_blank">23056470</a>). 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:<a href="http://www.uniprot.org/citations/24434549" target="\_blank">24434549</a>).

**Cellular Location**

Cytoplasm {ECO:0000250|UniProtKB:Q5SZ99}.

#### Tissue Location

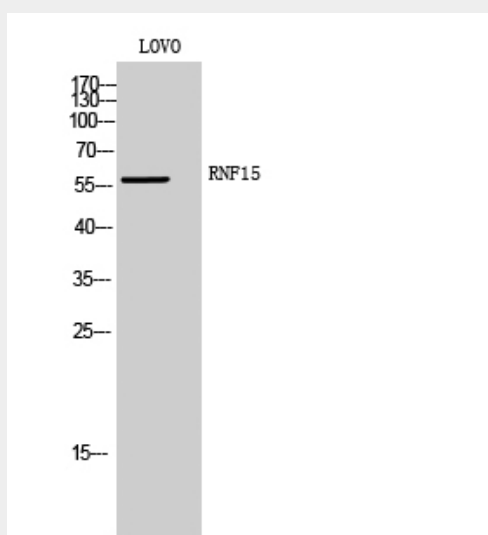
Ubiquitous..

### RNF15 Polyclonal Antibody - Protocols

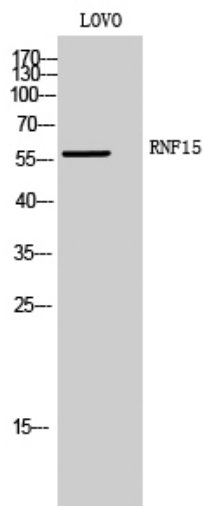
Provided below are standard protocols that you may find useful for product applications.

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

### RNF15 Polyclonal Antibody - Images



Western Blot analysis of LOVO cells using RNF15 Polyclonal Antibody



Western Blot analysis of LOVO cells using RNF15 Polyclonal Antibody

#### **RNF15 Polyclonal Antibody - 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.