

## RNF166 Antibody (Center)

Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP20484c

### Specification

#### RNF166 Antibody (Center) - Product Information

|                   |   |
|-------------------|---|
| Application       | IF, WB,E  |
| Primary Accession | <a href="#">Q96A37</a>                          |
| Other Accession   | <a href="#">O6J117</a> , <a href="#">Q3U9F6</a> |
| Reactivity        | Human, Mouse                                    |
| Predicted         | Rat   |
| Host              | Rabbit  |
| Clonality         | Polyclonal                                      |
| Isotype           | Rabbit Ig                                       |
| Calculated MW     | 26122   |
| Antigen Region    | 71-97   |

#### RNF166 Antibody (Center) - Additional Information

Gene ID 115992

#### Other Names

RING finger protein 166, RNF166

#### Target/Specificity

This RNF166 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 71-97 amino acids from the Central region of human RNF166.

#### Dilution

IF~~1:25  
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

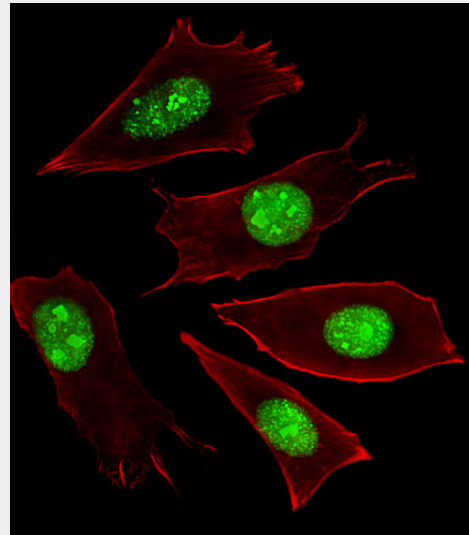
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

#### Precautions

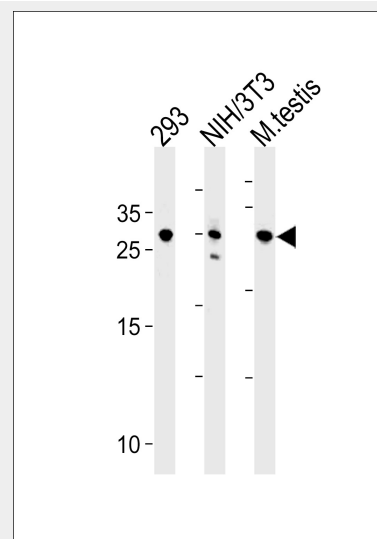
RNF166 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

#### RNF166 Antibody (Center) - Protein Information

Name RNF166



Fluorescent image of NIH/3T3 cells stained with RNF166 Antibody (Center)(Cat#AP20484C). AP20484C was diluted at 1:25 dilution. An Alexa Fluor 488-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody (green). Cytoplasmic actin was counterstained with Alexa Fluor® 555 conjugated with Phalloidin (red).



RNF166 Antibody (Center) (Cat. #AP20484c) western blot analysis in 293,mouse NIH/3T3 cell line and testis tissue lysates (35ug/lane).This demonstrates the RNF166 antibody detected the RNF166 protein (arrow).

### Function

E3 ubiquitin-protein ligase that promotes the ubiquitination of different substrates (PubMed: <a href="http://www.uniprot.org/citations/27880896" target="\_blank">27880896</a>). In turn, participates in different biological processes including interferon production or autophagy (PubMed: <a href="http://www.uniprot.org/citations/26456228" target="\_blank">26456228</a>, PubMed: <a href="http://www.uniprot.org/citations/27880896" target="\_blank">27880896</a>). Plays a role in the activation of RNA virus-induced interferon-beta production by promoting the ubiquitination of TRAF3 and TRAF6 (PubMed: <a href="http://www.uniprot.org/citations/26456228" target="\_blank">26456228</a>). Plays also a role in the early recruitment of autophagy adaptors to bacteria (PubMed: <a href="http://www.uniprot.org/citations/27880896" target="\_blank">27880896</a>). Mediates 'Lys-29' and 'Lys-33'-linked ubiquitination of SQSTM1 leading to xenophagic targeting of bacteria and inhibition of their replication (PubMed: <a href="http://www.uniprot.org/citations/27880896" target="\_blank">27880896</a>).

### Cellular Location

Cytoplasm.

### RNF166 Antibody (Center) - References

Ota T., et al. Nat. Genet. 36:40-45(2004).  
Mural R.J., et al. Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.

### RNF166 Antibody (Center) - 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](#)

### RNF166 Antibody (Center) - Citations

- [RNF166 Determines Recruitment of Adaptor Proteins during Antibacterial Autophagy.](#)