

**RNF145 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP18281B**

**Specification**

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**RNF145 Antibody (C-term) - Product Information**

|                   |                             |
|-------------------|-----------------------------|
| Application       | WB,E                        |
| Primary Accession | <a href="#">O96MT1</a>      |
| Other Accession   | <a href="#">NP_653327.1</a> |
| Reactivity        | Human                       |
| Host              | Rabbit                      |
| Clonality         | Polyclonal                  |
| Isotype           | Rabbit IgG                  |
| Antigen Region    | 601-627                     |

**RNF145 Antibody (C-term) - Additional Information**

**Gene ID** 153830

**Other Names**

RING finger protein 145, RNF145

**Target/Specificity**

This RNF145 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 601-627 amino acids of human RNF145.

**Dilution**

WB~~1:2000

**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**

RNF145 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**RNF145 Antibody (C-term) - Protein Information**

**Name** RNF145 {ECO:0000312|PROSITE:PS50089}

**Function** E3 ubiquitin ligase that catalyzes the direct transfer of ubiquitin from E2 ubiquitin-conjugating enzyme to a specific substrate. In response to bacterial infection, negatively regulates the phagocyte oxidative burst by controlling the turnover of the NADPH oxidase complex

subunits. Promotes monoubiquitination of CYBA and 'Lys-48'- linked polyubiquitination and degradation of CYBB NADPH oxidase catalytic subunits, both essential for the generation of antimicrobial reactive oxygen species. Involved in the maintenance of cholesterol homeostasis. In response to high sterol concentrations ubiquitinates HMGCR, a rate-limiting enzyme in cholesterol biosynthesis, and targets it for degradation. The interaction with INSIG1 is required for this function. In addition, triggers ubiquitination of SCAP, likely inhibiting its transport to the Golgi apparatus and the subsequent processing/maturation of SREBPF2, ultimately down-regulating cholesterol biosynthesis.

#### Cellular Location

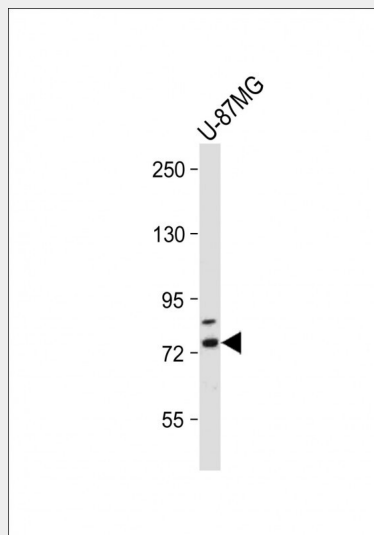
Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:Q5SWK7}; Multi-pass membrane protein

#### RNF145 Antibody (C-term) - Protocols

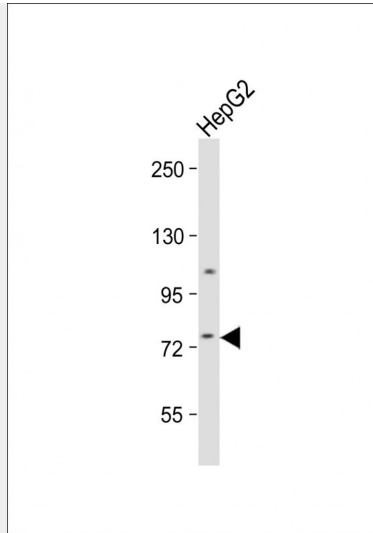
Provided below are standard protocols that you may find useful for product applications.

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

#### RNF145 Antibody (C-term) - Images



Anti-RNF145 Antibody (C-term) at 1:2000 dilution + U-87MG whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 76 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Anti-RNF145 Antibody (C-term) at 1:2000 dilution + HepG2 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 76 kDa Blocking/Dilution buffer: 5% NFDN/TBST.

#### **RNF145 Antibody (C-term) - Background**

The function of this protein remains unknown.

#### **RNF145 Antibody (C-term) - References**

Soranzo, N., et al. Nat. Genet. 41(11):1182-1190(2009)

#### **RNF145 Antibody (C-term) - Citations**

- [Identification of the ER-resident E3 ubiquitin ligase RNF145 as a novel LXR-regulated gene.](#)