

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

RNF145 Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	O96MT1
Other Accession	NP_653327.1
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

E~~Use at an assay dependent concentration.

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 SREBP2, ultimately down-regulating cholesterol biosynthesis.

Cellular Location

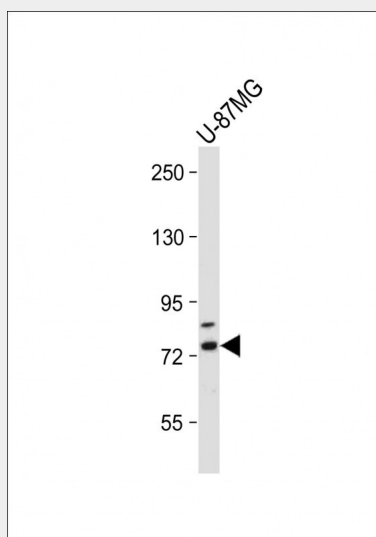
Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:Q5SWK7}; Multi-pass membrane protein

RNF145 Antibody (C-term) - Protocols

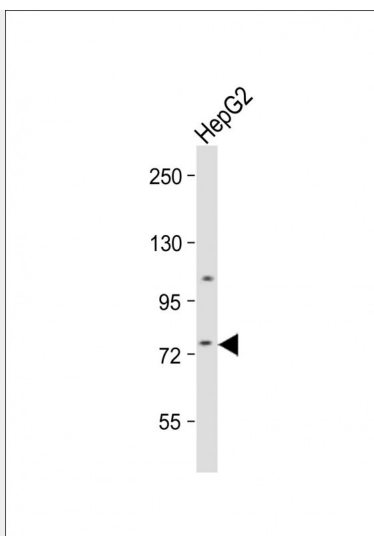
Provided below are standard protocols that you may find useful for product applications.

- [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% NFDM/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.](#)