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RNF145 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18281B

Product Information

Application	WB, E
Primary Accession	Q96MT1
Other Accession	NP_653327.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB38347
Calculated MW	75617
Antigen Region	601-627

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~~1:1000 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.

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

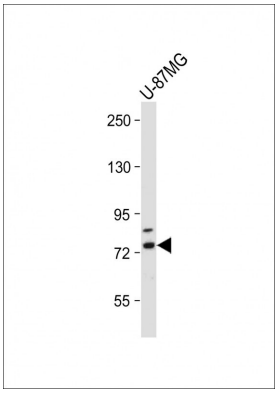
Background

The function of this protein remains unknown.

References

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

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.

Citations

- Identification of the ER-resident E3 ubiquitin ligase RNF145 as a novel LXR-regulated gene.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.