

**RNF145 Antibody (C-term) Blocking Peptide**  
Synthetic peptide  
Catalog # BP18281b**Specification****RNF145 Antibody (C-term) Blocking Peptide -  
Product Information**Primary Accession [Q96MT1](#)**RNF145 Antibody (C-term) Blocking Peptide -  
Additional Information**

Gene ID 153830

**Other Names**

RING finger protein 145, RNF145

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**RNF145 Antibody (C-term) Blocking Peptide -  
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

**RNF145 Antibody (C-term) Blocking  
Peptide - Background**

The function of this protein remains unknown.

**RNF145 Antibody (C-term) Blocking  
Peptide - References**

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

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 downregulating cholesterol biosynthesis.

**Cellular Location**

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

**RNF145 Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)