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RNF5 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP12440c

Specification

RNF5 Antibody (Center) Blocking peptide - Product Information

Primary Accession Q99942

RNF5 Antibody (Center) Blocking peptide - Additional Information

Gene ID 6048

Other Names
E3 ubiquitin-protein ligase RNF5, 632-, Protein G16, RING finger protein 5, Ram1 homolog, HsRma1, RNF5, G16, NG2, RMA1

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.

RNF5 Antibody (Center) Blocking peptide - Protein Information

Name RNF5 {ECO:0000303|PubMed:9533025, ECO:0000312|HGNC:HGNC:10068}

Function
Membrane-bound E3 ubiquitin-protein ligase that mediates ubiquitination of target proteins (PubMed:11329381, PubMed:12861019, PubMed:16176924, PubMed:19285439, PubMed:19269966). May function together with E2 ubiquitin-conjugating enzymes UBE2D1/UBCH5A and UBE2D2/UBC4 (PubMed:11329381). Mediates ubiquitination of PXN/paxillin,thereby regulating cell motility and localization of PXN/paxillin (PubMed:12861019). Catalyzes ubiquitination of Salmonella type III secreted protein sopA (PubMed:16176924). Mediates the 'Lys- 63'-linked polyubiquitination of JKAMP thereby regulating JKAMP function by decreasing its association with components of the proteasome and ERAD; the ubiquitination appears to involve E2 ubiquitin-conjugating enzyme UBE2N (PubMed:19269966). Mediates the 'Lys-48'-linked polyubiquitination of STING1 at

'Lys-150' leading to its proteasomal degradation; the ubiquitination occurs in mitochondria after viral transfection and regulates antiviral responses (PubMed:19285439). Catalyzes ubiquitination and subsequent degradation of ATG4B, thereby inhibiting autophagy (PubMed:23093945).

Cellular Location
Cell membrane; Multi-pass membrane protein. Mitochondrion membrane; Multi-pass membrane protein. Endoplasmic reticulum membrane; Multi-pass membrane protein. Note=Predominantly located in the plasma membrane, with some localization occurring within cytoplasmic organelles

Tissue Location
Widely expressed..

RNF5 Antibody (Center) Blocking peptide - Protocols

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

- Blocking Peptides

RNF5 Antibody (Center) Blocking peptide - Images

RNF5 Antibody (Center) Blocking peptide - Background

The protein encoded by this gene contains a RING finger,which is a motif known to be involved in protein-proteininteractions. This protein is a membrane-bound ubiquitin ligase. Itcan regulate cell motility by targeting paxillin ubiquitination andaltering the distribution and localization of paxillin in cytoplasmand cell focal adhesions.

RNF5 Antibody (Center) Blocking peptide - References

Barcellos, L.F., et al. PLoS Genet. 5 (10), E1000696 (2009) :Tcherpakov, M., et al. J. Biol. Chem. 284(18):12099-12109(2009)Zhong, B., et al. Immunity 30(3):397-407(2009)McKinnon, E., et al. Diabetes Obes Metab 11 SUPPL 1, 92-100 (2009) :Bromberg, K.D., et al. Cancer Res. 67(17):8172-8179(2007)