

RNF5 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP8608a

Specification

RNF5 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	O99942
Other Accession	O5M807 , O35445
Reactivity	Human
Predicted	Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	1-30

RNF5 Antibody (N-term) - 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

Target/Specificity

This RNF5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids of human RNF5.

Dilution

WB~~1:1000

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

RNF5 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

RNF5 Antibody (N-term) - 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:[19269966](#), PubMed:[19285439](#)). 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

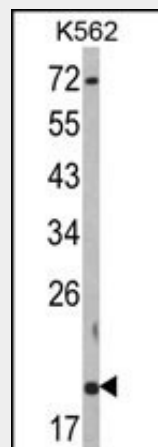
Widely expressed..

RNF5 Antibody (N-term) - Protocols

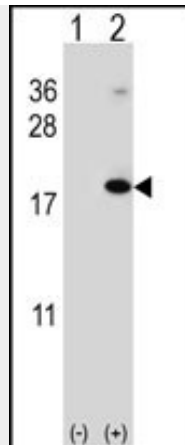
Provided below are standard protocols that you may find useful for product applications.

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

RNF5 Antibody (N-term) - Images



Western blot analysis of RNF5 Antibody (N-term) (Cat. #AP8608a) in K562 cell line lysates (35ug/lane). RNF5 (arrow) was detected using the purified Pab.



Western blot analysis of RNF5 (arrow) using rabbit polyclonal RNF5 Antibody (N-term) (Cat. #AP8608a). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the RNF5 gene.

RNF5 Antibody (N-term) - Background

RNF5 contains a RING finger, which is a motif known to be involved in protein-protein interactions. This protein is a membrane-bound ubiquitin ligase. It can regulate cell motility by targeting paxillin ubiquitination and altering the distribution and localization of paxillin in cytoplasm and cell focal adhesions.

RNF5 Antibody (N-term) - References

Didier,C., et.al., Mol. Cell. Biol. 23 (15), 5331-5345 (2003)
Bromberg,K.D., et.al., Cancer Res. 67 (17), 8172-8179 (2007)