

RN185 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10818c

Specification

RN185 Antibody (Center) - Product Information

Application	WB, FC,E
Primary Accession	Q96GF1
Other Accession	Q568Y3 , Q91YT2 , Q6PC78 , Q5ZIR9 , NP_689480.2
Reactivity	Human, Mouse, Hamster
Predicted	Chicken, Zebrafish, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	88-117

RN185 Antibody (Center) - Additional Information

Gene ID 91445

Other Names

E3 ubiquitin-protein ligase RNF185, 632-, RING finger protein 185, RNF185

Target/Specificity

This RN185 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 88-117 amino acids from the Central region of human RN185.

Dilution

WB~~1:1000
FC~~1:10~50

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

RN185 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

RN185 Antibody (Center) - Protein Information

Name RNF185 {ECO:0000303|Ref.1, ECO:0000312|HGNC:HGNC:26783}

Function E3 ubiquitin-protein ligase that regulates selective mitochondrial autophagy by mediating 'Lys-63'-linked polyubiquitination of BNIP1 (PubMed:[21931693](#)). Acts in the endoplasmic reticulum (ER)- associated degradation (ERAD) pathway, which targets misfolded proteins that accumulate in the endoplasmic reticulum (ER) for ubiquitination and subsequent proteasome-mediated degradation (PubMed:[27485036](#)). Protects cells from ER stress-induced apoptosis (PubMed:[27485036](#)). Responsible for the cotranslational ubiquitination and degradation of CFTR in the ERAD pathway (PubMed:[24019521](#)). Also acts as a regulator of the innate antiviral response by catalyzing 'Lys-27'-linked polyubiquitination of CGAS at 'Lys-173' and 'Lys-384', thereby promoting CGAS cyclic GMP-AMP synthase activity (PubMed:[28273161](#)). Preferentially associates with the E2 enzymes UBE2J1 and UBE2J2 (PubMed:[24019521](#)).

Cellular Location

Mitochondrion outer membrane; Multi-pass membrane protein. Endoplasmic reticulum membrane; Multi-pass membrane protein

Tissue Location

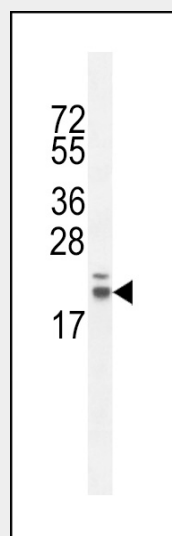
Ubiquitously expressed.

RN185 Antibody (Center) - Protocols

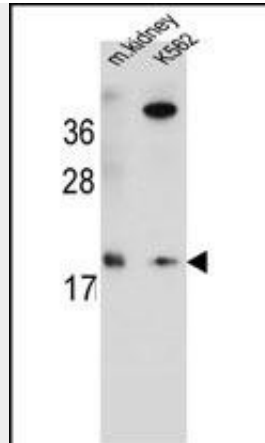
Provided below are standard protocols that you may find useful for product applications.

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

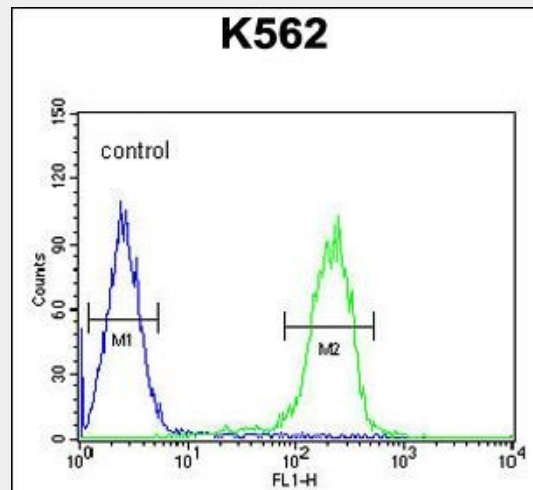
RN185 Antibody (Center) - Images



RN185 Antibody (Center) (Cat. #AP10818c) western blot analysis in CHO cell line lysates (35ug/lane). This demonstrates the RN185 antibody detected the RN185 protein (arrow).



RN185 Antibody (Center) (Cat. #AP10818c) western blot analysis in mouse kidney tissue and K562 cell line lysates (35ug/lane). This demonstrates the RN185 antibody detected the RN185 protein (arrow).



RN185 Antibody (Center) (Cat. #AP10818c) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

RN185 Antibody (Center) - References

Collins, J.E., et al. Genome Biol. 5 (10), R84 (2004) :

RN185 Antibody (Center) - Citations

- [Cytosolic PTEN-induced Putative Kinase 1 Is Stabilized by the NF-κB Pathway and Promotes Non-selective Mitophagy.](#)