10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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
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
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

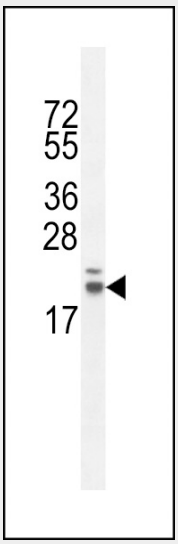
Tissue Location
Ubiquitously expressed.

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 Cytomety
- 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).

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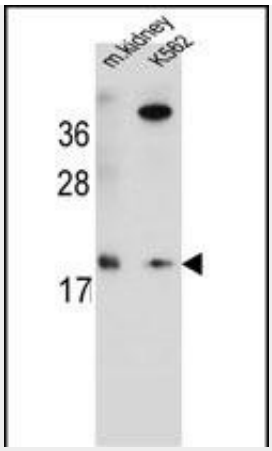
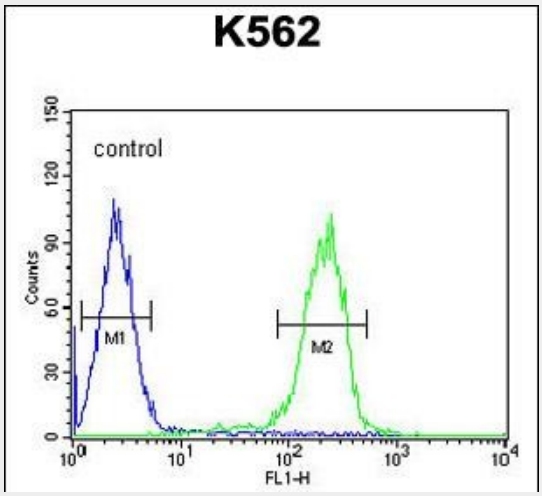


RN185 Antibody (Center) (Cat. #AP10818c) western blot analysis in mouse kidney tissue and K562 cell line lysates (35ug/lane).This demonstrates the RN185 antibody detected the RN185 protein (arrow).



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) :