

RNF186 antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI12248**Specification**

RNF186 antibody - N-terminal region - Product Information

Application	WB
Primary Accession	O9NXI6
Other Accession	NM_019062 , NP_061935
Reactivity	Human
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	24kDa KDa

RNF186 antibody - N-terminal region - Additional Information**Gene ID** 54546

Alias Symbol	FLJ20225, RP11-91K11.1
Other Names	
RING finger protein 186, RNF186	

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-RNF186 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

RNF186 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

RNF186 antibody - N-terminal region - Protein Information**Name** RNF186 ([HGNC:25978](#))**Function**

E3 ubiquitin protein ligase that is part of an apoptotic signaling pathway activated by endoplasmic reticulum stress (PubMed:<[a href="http://www.uniprot.org/citations/23896122" target="_blank">23896122](http://www.uniprot.org/citations/23896122)>). Stimulates the expression of proteins specific of the unfolded protein response (UPR), ubiquitinates BNIP1 and regulates its localization to the mitochondrion and induces calcium release from the endoplasmic reticulum that ultimately leads to cell apoptosis (PubMed:<[a href="http://www.uniprot.org/citations/23896122" target="_blank">23896122](http://www.uniprot.org/citations/23896122)>). Plays a role in the maintenance of intestinal homeostasis and clearance of enteric pathogens. Upon NOD2 stimulation, ubiquitinates the ER stress sensor activating transcription factor 6/ATF6 and promotes the unfolded protein response UPR (PubMed:<

href="http://www.uniprot.org/citations/34623328" target="_blank">34623328). Participates in basal level of autophagy maintenance by regulating the ubiquitination of EPHB2 and EPHB3. Upon stimulation by ligand EFNB1, ubiquitinates EPHB2 and further recruits MAP1LC3B for autophagy induction (PubMed:33280498). Controls nutrient sensing by ubiquitinating Sestrin-2/SES2, which is an intracellular sensor of cytosolic leucine and inhibitor of mTORC1 activity (PubMed:31586034).

Cellular Location

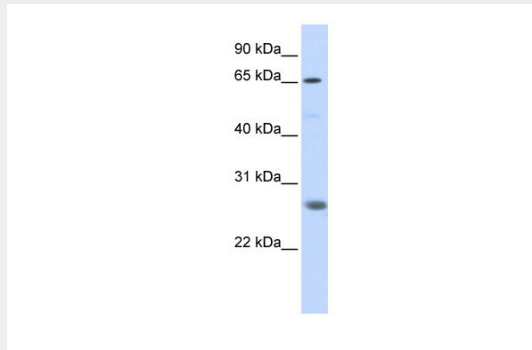
Endoplasmic reticulum membrane; Multi-pass membrane protein

RNF186 antibody - N-terminal region - 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](#)

RNF186 antibody - N-terminal region - Images



WB Suggested Anti-RNF186 Antibody Titration: 0.2-1 µg/ml

ELISA Titer: 1:312500

Positive Control: Transfected 293T

RNF186 antibody - N-terminal region - References

Gregory, S.G., (2006) Nature 441(7091), 315-321 Reconstitution and Storage: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.