

RNF160 Rabbit pAb

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Catalog # AP58981

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	O94822
Predicted	Rat, Human, Mouse, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	200552
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human RNF160/ZNF294
Epitope Specificity	21-120/1766
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	RNF160 may function as an E3 ubiquitin-protein ligase. E3 ubiquitin ligases accept ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfer the ubiquitin to targeted substrates.

Additional Information

Gene ID	26046
Other Names	E3 ubiquitin-protein ligase listerin, 2.3.2.27, RING finger protein 160, RING-type E3 ubiquitin transferase listerin, Zinc finger protein 294, LTN1, C21orf10, C21orf98, KIAA0714, RNF160, ZNF294
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	LTN1
Synonyms	C21orf10, C21orf98, KIAA0714, RNF160, ZN
Function	E3 ubiquitin-protein ligase component of the ribosome quality control

complex (RQC), a ribosome-associated complex that mediates ubiquitination and extraction of incompletely synthesized nascent chains for proteasomal degradation (PubMed:[23685075](#), PubMed:[25132172](#), PubMed:[25578875](#), PubMed:[28757607](#)). Within the RQC complex, LTN1 is recruited to stalled 60S ribosomal subunits by NEMF and mediates ubiquitination of stalled nascent chains (PubMed:[25578875](#)). Ubiquitination leads to VCP/p97 recruitment for extraction and degradation of the incomplete translation product (By similarity).

Cellular Location Cytoplasm, cytosol.

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.