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RNF61/MKRN1 Rabbit pAb

Catalog # AP98285

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9UHC7
Other Accession	Q9UHC7
Reactivity	Rat
Predicted	Pig, Human, Mouse, Rabbit, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	53349
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human MKRN1/RNF61
Epitope Specificity	261-360/482
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 4 C3H1-type zinc fingers. Contains 1 RING-type zinc finger.
SUBUNIT	Interacts with p53/TP53 and CDKN1A. Interacts with TERT, modulating telomere length homeostasis.
Post-translational modifications	Auto-ubiquitinated; which leads to proteasomal degradation.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	E3 ubiquitin ligase catalyzing the covalent attachment of ubiquitin moieties onto substrate proteins. These substrates include FILIP1, p53/TP53, CDKN1A and TERT. Keeps cells alive by suppressing p53/TP53 under normal conditions, but stimulates apoptosis by repressing CDKN1A under stress conditions. Acts as a negative regulator of telomerase. Has negative and positive effects on RNA polymerase II-dependent transcription.

Additional Information

Gene ID	23608
Other Names	RNF61; RFP; MKRN1_HUMAN; MKRN1; RING finger protein 61; RING-type E3 ubiquitin transferase makorin-1; 2.3.2.27; MKRN1_MOUSE; makorin ring finger protein 1
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
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	MKRN1
Synonyms	RNF61
Function	E3 ubiquitin ligase catalyzing the covalent attachment of ubiquitin moieties onto substrate proteins. These substrates include FILIP1, p53/TP53, CDKN1A and TERT. Keeps cells alive by suppressing p53/TP53 under normal conditions, but stimulates apoptosis by repressing CDKN1A under stress conditions. Acts as a negative regulator of telomerase. Has negative and positive effects on RNA polymerase II- dependent transcription.
Tissue Location	Ubiquitous.

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