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RNF180 Rabbit pAb

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Catalog # AP59190

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q86T96
Predicted	Rat, Pig, Dog, Human, Mouse, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	68254
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human RNF180
Epitope Specificity	201-300/592
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Membrane; Single-pass membrane protein.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The RING-type zinc finger motif is present in a number of viral and eukaryotic proteins and is made of a conserved cysteine-rich domain that is able to bind two zinc atoms. Proteins that contain this conserved domain are generally involved in the ubiquitination pathway of protein degradation. RNF180 (ring finger protein 180), also known as Rines, is a 592 single-pass membrane protein that contains a single RING-type zinc finger. Expressed as three alternatively spliced isoforms, RNF180 is well conserved among vertebrates. RNF180 is expressed in brain, kidney, testis and uterus and localizes to the endoplasmic reticulum. RNF180 is an E3 ubiquitin ligase involved in the ubiquitin-proteasome pathway. RNF180 is encoded by a gene located on human chromosome 5, which contains 181 million base pairs and comprises nearly 6% of the human genome. Deletion of the p arm of chromosome 5 leads to Cri du chat syndrome, while deletion of the q arm, or of chromosome 5 altogether, is common in therapy-related acute myelogenous leukemias and myelodysplastic syndrome.

Additional Information

Gene ID	285671
Other Names	E3 ubiquitin-protein ligase RNF180, 2.3.2.27, RING finger protein 180, RING-type E3 ubiquitin transferase RNF180, RNF180
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	RNF180
Function	E3 ubiquitin-protein ligase which promotes polyubiquitination and degradation by the proteasome pathway of ZIC2.
Cellular Location	Endoplasmic reticulum membrane; Single-pass membrane protein. Nucleus envelope {ECO:0000250|UniProtKB:Q3U827}

Background

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