

RNF180 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP59190

Specification

RNF180 Polyclonal Antibody - Product Information

Application IHC-P, IHC-F, IF, E

Primary Accession
Reactivity
Rat, Pig, Dog, Bovine

Host Rabbit
Clonality Polyclonal
Calculated MW 65 KDa
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.

SIMILARITY Contains 1 RING-type zinc finger.

SUBUNIT Interacts with ZIC2.

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.

RNF180 Polyclonal Antibody - 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~~N/A<br \> <span class
="dilution_IHC-F">IHC-F~~N/A<br \> <span class
="dilution_IF">IF~~1:50~200<br \> E~~N/A

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.

RNF180 Polyclonal Antibody - 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}

RNF180 Polyclonal Antibody - 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

RNF180 Polyclonal Antibody - Images