

RNF98 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP59163

Specification

RNF98 Polyclonal Antibody - Product Information

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

Primary Accession <u>O9NO86</u>

Reactivity
Host
Clonality
Rat, Pig, Bovine
Rabbit
Polyclonal

Clonality Polyclor
Calculated MW 83 KDa
Physical State Liquid

Immunogen KLH conjugated synthetic peptide derived

from human TRIM36/RNF98

Epitope Specificity 201-300/728

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 Cytoplasm (By similarity). Cytoplasmic

vesicle, secretory vesicle, acrosome (By similarity). Cytoplasm, cytoskeleton (By similarity). Note=Found in the acrosomal

region of elongated spermatids and mature sperm (By similarity).

SIMILARITY Belongs to the TRIM/RBCC family. Contains

2 B box-type zinc fingers. Contains 1
B30.2/SPRY domain. Contains 1 COS
domain. Contains 1 fibronectin type-III
domain. Contains 1 RING-type zinc finger.
Interacts with CENPH (By similarity).
This product as supplied is intended for

research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

SUBUNIT

Important Note

TRIM36 (tripartite motif-containing 36), also known as RNF98 (RING finger protein 98), HAPRIN (haploid germ cell-specific RBCC protein) or RBCC728, is a 728 amino acid protein that belongs to the TRIM/RBCC (Ring finger, B box, coiled-coil) family. Predominantly expressed in prostate, testis and brain with weak expression in heart, kidney and lung, TRIM36 contains two B box-type zinc fingers, a SPRY domain, a coiled-coil domain, a fibronectin type-III domain and a RING-type zinc finger; a motif that has zinc-chelating activity and is involved in mediating protein-protein and protein-DNA interactions. Localizing to the cytoplasm and the acrosomal region of germ cells and mature sperm, TRIM36 is believed to play a role in the acrosome reaction and fertilization. In addition, TRIM36 is overexpressed in prostate cancer, suggesting a possible role for TRIM36 in prostate tumorigenesis.

RNF98 Polyclonal Antibody - Additional Information



Gene ID 55521

Other Names

E3 ubiquitin-protein ligase TRIM36, 2.3.2.27, Tripartite motif-containing protein 36, Zinc-binding protein Rbcc728, TRIM36, RBCC728, RNF98

Target/Specificity

Highly expressed in testis, prostate and brain. Weakly expressed in kidney, lung and heart.

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.

RNF98 Polyclonal Antibody - Protein Information

Name TRIM36

Synonyms RBCC728, RNF98

Function

E3 ubiquitin-protein ligase which mediates ubiquitination and subsequent proteasomal degradation of target proteins. Involved in chromosome segregation and cell cycle regulation (PubMed:28087737). May play a role in the acrosome reaction and fertilization.

Cellular Location

Cytoplasm. Cytoplasmic vesicle, secretory vesicle, acrosome $\{ECO:0000250|UniProtKB:Q80WG7\}$. Cytoplasm, cytoskeleton $\{ECO:0000250|UniProtKB:Q80WG7\}$. Note=Found in the acrosomal region of elongated spermatids and mature sperm. $\{ECO:0000250|UniProtKB:Q80WG7\}$

Tissue Location

Highly expressed in testis, prostate and brain (PubMed:15145053). Weakly expressed in kidney, lung and heart (PubMed:15145053). Expressed in fetal tissues (PubMed:28087737)

RNF98 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

RNF98 Polyclonal Antibody - Images



