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ZNF179 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP58620

Specification

ZNF179 Polyclonal Antibody - Product Information

Application	**WB, IHC-P, IHC-F, IF, ICC, E**
Primary Accession	Q9ULX5
Reactivity	**Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**68 KDa**
Physical State	**Liquid**
Immunogen	**KLH conjugated synthetic peptide derived from human ZNF179**
Epitope Specificity	**121-220/631**
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	**Cytoplasmic, Nuclear and integral to membrane.**
SIMILARITY	**Belongs to the TRAFAC class dynamin-like GTPase superfamily. GB1/RHD3-type GTPase family. GB1 subfamily. Contains 1 GB1/RHD3-type G (guanine nucleotide-binding) domain. Contains 1 RING-type zinc finger.**
Important Note	**This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.**

Background Descriptions
This gene encodes a member of the RING finger protein family of transcription factors. The protein is primarily expressed in brain. The gene is located within the Smith-Magenis syndrome region on chromosome 17. [provided by RefSeq, Jul 2008]

ZNF179 Polyclonal Antibody - Additional Information

Gene ID 7732

Other Names
RING finger protein 112, 2.3.2.27, Brain finger protein, Zinc finger protein 179, RNF112, BFP, ZNF179

Target/Specificity
Predominantly expressed in brain.

Dilution
WB~~1:1000<br \>IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>ICC~~N/A<br \>E~~N/A

Format
0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage
Store at -20 ℃ 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 ℃.

ZNF179 Polyclonal Antibody - Protein Information

Name RNF112

Synonyms BFP, ZNF179

Function
E3 ubiquitin-protein ligase that plays an important role in neuronal differentiation, including neurogenesis and gliogenesis, during brain development. During embryonic development initiates neuronal differentiation by inducing cell cycle arrest at the G0/G1 phase through up-regulation of cell-cycle regulatory proteins (PubMed:28684796). Plays a role not only in the fetal period during the development of the nervous system, but also in the adult brain, where it is involved in the maintenance of neural functions and protection of the nervous tissue cells from oxidative stress-induced damage. Exhibits GTPase and E3 ubiquitin-protein ligase activities. Regulates dendritic spine density and synaptic neurotransmission; its ability to hydrolyze GTP is involved in the maintenance of dendritic spine density (By similarity).

Cellular Location
Membrane {ECO:0000250|UniProtKB:Q96DY5}; Multi- pass membrane protein. Membrane {ECO:0000250|UniProtKB:Q96DY5}; Peripheral membrane protein {ECO:0000250|UniProtKB:Q96DY5}. Cytoplasm {ECO:0000250|UniProtKB:Q96DY5}. Nucleus {ECO:0000250|UniProtKB:Q96DY5} Nucleus, nuclear body {ECO:0000250|UniProtKB:Q96DY5}. Nucleus, nucleoplasm {ECO:0000250|UniProtKB:Q96DY5}. Endosome {ECO:0000250|UniProtKB:Q96DY5}. Cytoplasmic vesicle, secretory vesicle, synaptic vesicle {ECO:0000250|UniProtKB:Q96DY5}. Postsynaptic density {ECO:0000250|UniProtKB:Q96DY5}. Perikaryon {ECO:0000250|UniProtKB:Q96DY5}. Cell projection, neuron projection {ECO:0000250|UniProtKB:Q96DY5}. Note=Predominantly in the nucleus, but some amounts were also found in the cytoplasm. Oxidative stress stimulates its shuttling from the cytoplasm into the nucleus. Recruited to nuclear bodies via its interaction with ZBTB16. Localizes to the cell soma and neuritis and only slightly to the nucleus in the neurons of most brain areas. {ECO:0000250|UniProtKB:Q96DY5}

Tissue Location
Predominantly expressed in brain (PubMed:10574464). Decreased expression in glioma brain tumors as compared to normal brains (at protein level) (PubMed:28684796)

ZNF179 Polyclonal Antibody - Protocols

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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

ZNF179 Polyclonal Antibody - Images