

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

---

**ZNF179 Polyclonal Antibody - Product Information**

|                   |                           |
|-------------------|---------------------------|
| Application       | WB, IHC-P, IHC-F, IF, ICC |
| Primary Accession | <a href="#">O9ULX5</a>    |
| Reactivity        | Rat                       |
| Host              | Rabbit                    |
| Clonality         | Polyclonal                |
| Calculated MW     | 68298                     |

**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

**Format**

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

**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.

**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:<a href="http://www.uniprot.org/citations/28684796" target="\_blank">28684796</a>). 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**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### **ZNF179 Polyclonal Antibody - Images**