

**PTCHD1 Antibody (internal region)**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF3369a****Specification**

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**PTCHD1 Antibody (internal region) - Product Information**

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|-------------------|-------------------------------------------------------------------------------------------------------------------------|
| Application       | WB                                                                                                                      |
| Primary Accession | <a href="#">Q96NR3</a>                                                                                                  |
| Other Accession   | <a href="#">NP_775766.2</a> , <a href="#">139411</a> , <a href="#">211612 (mouse)</a> ,<br><a href="#">317517 (rat)</a> |
| Reactivity        | Human                                                                                                                   |
| Predicted         | Mouse, Rat, Dog, Cow                                                                                                    |
| Host              | Goat                                                                                                                    |
| Clonality         | Polyclonal                                                                                                              |
| Concentration     | 0.5 mg/ml                                                                                                               |
| Isotype           | IgG                                                                                                                     |
| Calculated MW     | 101341                                                                                                                  |

**PTCHD1 Antibody (internal region) - Additional Information****Gene ID** 139411**Other Names**

Patched domain-containing protein 1, PTCHD1

**Format**

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

PTCHD1 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

**PTCHD1 Antibody (internal region) - Protein Information****Name** PTCHD1 ([HGNC:26392](#))**Function**

Required for the development and function of the thalamic reticular nucleus (TRN), a part of the thalamus that is critical for thalamocortical transmission, generation of sleep rhythms, sensorimotor processing and attention.

**Cellular Location**

Cell membrane; Multi-pass membrane protein

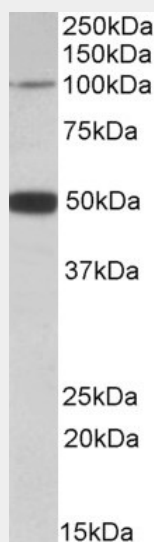
**Tissue Location**

Widely expressed, including in various regions of the brain with highest expression in the gray and white cerebellum, followed by the cerebellar vermis and the pituitary gland

**PTCHD1 Antibody (internal region) - 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](#)

**PTCHD1 Antibody (internal region) - Images**

AF3369a (0.5 µg/ml) staining of Human Cerebellum lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

**PTCHD1 Antibody (internal region) - References**

Functional impact of global rare copy number variation in autism spectrum disorders. Pinto D, Pagnamenta AT, Klei L, Anney R, Merico D, Regan R, Conroy J, Magalhaes TR, Correia C, Abrahams BS, Almeida J, Bacchelli E, Bader GD, Bailey AJ, Baird G, Battaglia A, Berney T, Bolshakova N, Bölte S, Bolton PF, Bourgeron T, Brennan S, Brian J, Bry Nature. 2010 Jul 15;466(7304):368-72. PMID: 20531469