

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

PTCHD1 Antibody (internal region) - Product Information

Application	WB
Primary Accession	Q96NR3
Other Accession	NP_775766.2 , 139411 , 211612 (mouse) , 317517 (rat)
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

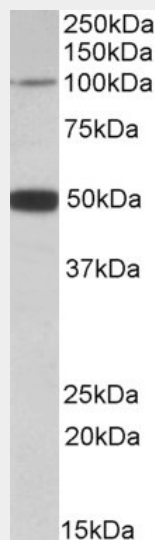
Tissue Location

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