

**PTCHD3 Antibody (internal region)**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF3420a****Specification**

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**PTCHD3 Antibody (internal region) - Product Information**

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|-------------------|---------------------------------------------------------|
| Application       | WB                                                      |
| Primary Accession | <a href="#">O3KNS1</a>                                  |
| Other Accession   | <a href="#">NP_001030014.2</a> , <a href="#">374308</a> |
| Reactivity        | Human                                                   |
| Host              | Goat                                                    |
| Clonality         | Polyclonal                                              |
| Concentration     | 0.5 mg/ml                                               |
| Isotype           | IgG                                                     |
| Calculated MW     | 107689                                                  |

**PTCHD3 Antibody (internal region) - Additional Information****Gene ID** 374308**Other Names**

Patched domain-containing protein 3, Patched-related protein, PTCHD3, PTR

**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**

PTCHD3 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

**PTCHD3 Antibody (internal region) - Protein Information****Name** PTCHD3**Synonyms** PTR**Function**

May play a role in sperm development or sperm function (PubMed:&lt;a href="http://www.uniprot.org/citations/17904097" target="\_blank"&gt;17904097&lt;/a&gt;). However, does not appear to have an essential role in spermatogenesis or male fertility (PubMed:&lt;a href="http://www.uniprot.org/citations/21439084" target="\_blank"&gt;21439084&lt;/a&gt;).

**Cellular Location**

Cell projection, cilium, flagellum membrane; Multi-pass membrane protein. Endoplasmic reticulum membrane; Multi-pass membrane protein. Note=Localizes to the midpiece of the sperm tail

#### **Tissue Location**

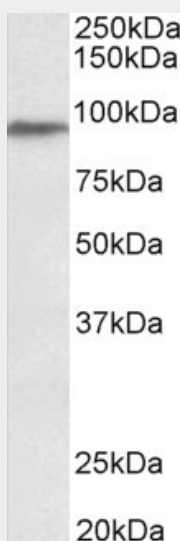
Expressed in germ cells of the testis (at protein level) (PubMed:17904097). Detected in blood lymph, colon, small intestine, ovary, testis, prostate, thymus and spleen with highest levels in testis (PubMed:21439084).

#### **PTCHD3 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](#)

#### **PTCHD3 Antibody (internal region) - Images**



AF3420a (0.3 µg/ml) staining of Human Testis lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

#### **PTCHD3 Antibody (internal region) - References**

Male germ cell-specific expression of a novel Patched-domain containing gene Ptchd3. Fan J, Akabane H, Zheng X, Zhou X, Zhang L, Liu Q, Zhang YL, Yang J, Zhu GZ, Biochemical and biophysical research communications 2007 Nov 363 (3): 757-61. PMID: 17904097