# PTCH1 Rabbit pAb

**Catalog NO.: A14772** **4 Publications**

## Basic Information

### Observed MW
160kDa

### Calculated MW
161kDa

### Category
Polyclonal Antibodies

### Applications
WB, IF-P, ELISA

### Cross-Reactivity
Mouse, Rat

### Conjugation
Unconjugated

## Background

This gene encodes a member of the patched family of proteins and a component of the hedgehog signaling pathway. Hedgehog signaling is important in embryonic development and tumorigenesis. The encoded protein is the receptor for the secreted hedgehog ligands, which include sonic hedgehog, indian hedgehog and desert hedgehog. Following binding by one of the hedgehog ligands, the encoded protein is trafficked away from the primary cilium, relieving inhibition of the G-protein-coupled receptor smoothened, which results in activation of downstream signaling. Mutations of this gene have been associated with basal cell nevus syndrome and holoprosencephaly.

## Recommended Dilutions

| | |
|---|---|
| **WB** | 1:500 - 1:1000 |
| **IF-P** | 1:50 - 1:200 |

### ELISA
Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID
5727

### Swiss Prot
Q13635

### Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

### Synonyms
PTC; BCNS; PTC1; PTCH; NBCCS; PTCH1

## Contact

## Product Information

order@abclonal.com
service@abclonal.com
www.abclonal.com

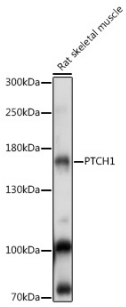
**Source**
Rabbit

**Isotype**
IgG

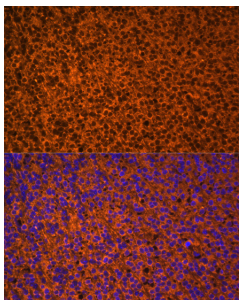
**Purification**
Affinity purification

**Storage**
Store at -20°C. Avoid freeze / thaw cycles.
Buffer: PBS with 0.01% thimerosal,50% glycerol,pH7.3.

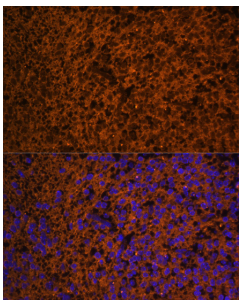
## Validation Data




Western blot analysis of lysates from Rat skeletal muscle, using PTCH1 Rabbit pAb (A14772) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 10s.



Immunofluorescence analysis of paraffin-embedded mouse embryos using PTCH1 Rabbit pAb (A14772) at dilution of 1:100. Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of paraffin-embedded mouse embryos using PTCH1 Rabbit pAb (A14772) at dilution of 1:100. Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.

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