

A0826

Leader in Biomolecular Solutions for Life Science



PTCH1 Rabbit pAb

Catalog No.: A0826

8 Publications

Basic Information

Observed MW

161kDa

Calculated MW

161kDa

Category

Mouse Monoclonal Antibody

Applications

WB, IHC-P, IF/ICC, ELISA

Cross-Reactivity

Human, Mouse, Rat

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
IHC-P	1:50 - 1:100
IF/ICC	1:50 - 1:100

Immunogen Information

Gene ID

5727

Swiss Prot

Q13635

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1214-1312 of human PTCH1 (NP_000255.2).

Synonyms

PTC; BCNS; PTC1; PTCH; NBCCS; PTCH1

Contact



www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

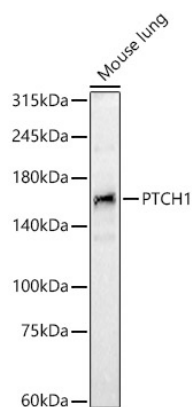
Affinity purification

Storage

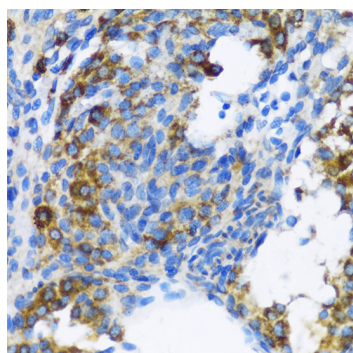
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 50% glycerol, pH7.3.

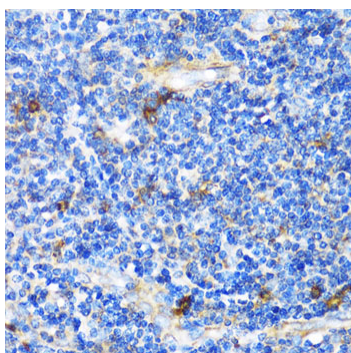
Validation Data



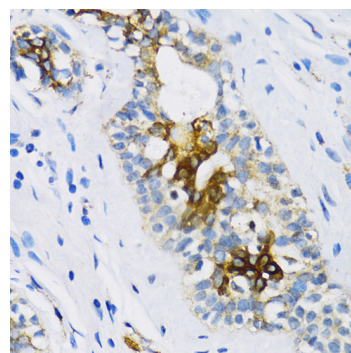
Western blot analysis of lysates from Mouse lung, using PTCH1 Rabbit pAb (A0826) at 1:1000 dilution.
 Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (A5014) at 1:10000 dilution.
 Lysates/proteins: 25µg per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.
 Detection: ECL Basic Kit (RM00020).
 Exposure time: 60s.



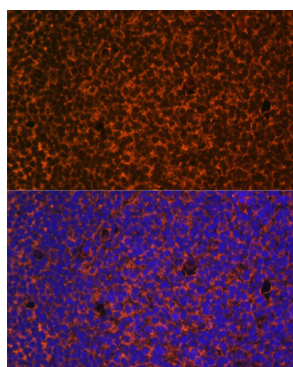
Immunohistochemistry analysis of PTCH1 in paraffin-embedded Rat ovary using PTCH1 Rabbit pAb (A0826) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunohistochemistry analysis of PTCH1 in paraffin-embedded Human tonsil using PTCH1 Rabbit pAb (A0826) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunohistochemistry analysis of PTCH1 in paraffin-embedded Human breast using PTCH1 Rabbit pAb (A0826) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunofluorescence analysis of paraffin-embedded mouse embryos using PTCH1 Rabbit pAb (A0826) at dilution of 1:100. Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (A5007) at 1:500 dilution. Blue: DAPI for nuclear staining.