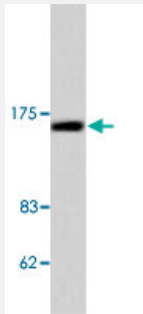


PTCH1 polyclonal antibody

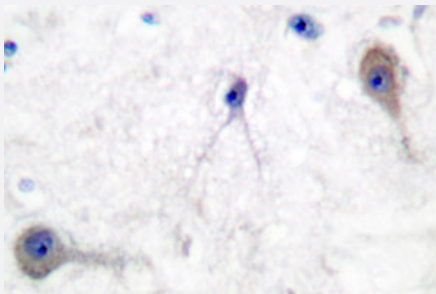
Catalog # PAB27082 Size 100 uL

Applications



Western Blot (Tissue lysate)

Western blot analysis of mouse muscle tissue with PTCH1 polyclonal antibody (Cat # PAB27082).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human brain tissue using PTCH1 polyclonal antibody (Cat # PAB27082).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of PTCH1.
Immunogen	A synthetic peptide corresponding to N-terminus of human PTCH1.
Host	Rabbit
Theoretical MW (kDa)	160
Reactivity	Human, Mouse
Specificity	PTCH1 polyclonal antibody detects endogenous levels of PTCH1 protein.
Form	Liquid

Purification	Antigen affinity purification
Concentration	1 mg/mL
Recommend Usage	Western Blot (1:500-1:1000) Immunohistochemistry (1:50-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (0.05% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

Western blot analysis of mouse muscle tissue with PTCH1 polyclonal antibody (Cat # PAB27082).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human brain tissue using PTCH1 polyclonal antibody (Cat # PAB27082).

Gene Info — PTCH1

Entrez GeneID	5727
Protein Accession#	Q13635
Gene Name	PTCH1
Gene Alias	BCNS, FLJ26746, FLJ42602, HPE7, NBCCS, PTC, PTC1, PTCH, PTCH11
Gene Description	patched homolog 1 (Drosophila)
Omim ID	109400 155255 601309 605462 610828
Gene Ontology	Hyperlink

Gene Summary

This gene encodes a member of the patched gene family. The encoded protein is the receptor for sonic hedgehog, a secreted molecule implicated in the formation of embryonic structures and in tumorigenesis, as well as the desert hedgehog and indian hedgehog proteins. This gene functions as a tumor suppressor. Mutations of this gene have been associated with basal cell nevus syndrome, esophageal squamous cell carcinoma, trichoepitheliomas, transitional cell carcinomas of the bladder, as well as holoprosencephaly. Alternative splicing results in multiple transcript variants encoding different isoforms. Additional splice variants have been described, but their full length sequences and biological validity cannot be determined currently. [provided by RefSeq]

Other Designations

OTTHUMP00000021709|OTTHUMP00000021710|PTCH protein +12b|PTCH protein +4'|PTCH protein -10|patched

Pathway

- [Basal cell carcinoma](#)
- [Hedgehog signaling pathway](#)
- [Pathways in cancer](#)

Disease

- [Basal Cell Nevus Syndrome](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Diabetes Mellitus](#)
- [Disease Susceptibility](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Jaw Neoplasms](#)

- [Liver Neoplasms](#)
- [Lung Diseases](#)
- [Odontogenic Cysts](#)
- [Odontogenic Tumors](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Skin Neoplasms](#)
- [Sleep Apnea](#)
- [Thyroid Neoplasms](#)