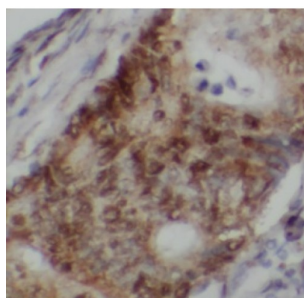


Protein Patched Homolog 1 (PTCH1) Antibody

Catalogue No.: abx011414



IHC-P analysis of human colon cancer tissue, using PTCH1 antibody (1/50 dilution).

Protein Patched Homolog 1 (PTCH1) Antibody is a Rabbit Polyclonal antibody for the detection of PTCH1.

Acts as a receptor for sonic hedgehog (SHH), indian hedgehog (IHH) and desert hedgehog (DHH). Associates with the smoothened protein (SMO) to transduce the hedgehog's proteins signal. Seems to have a tumor suppressor function, as inactivation of this protein is probably a necessary, if not sufficient step for tumorigenesis.

Target:	Protein Patched Homolog 1 (PTCH1)
Clonality:	Polyclonal
Reactivity:	Human, Rat
Tested Applications:	ELISA, IHC
Host:	Rabbit
Recommended dilutions:	IHC: 1/20 - 1/200. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	patched homolog 1
Isotype:	IgG
Form:	Liquid
Purity:	≥ 95% (SDS-PAGE)
Purification:	Purified by immunogen affinity chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.

Datasheet

Version: 3.0.0

Revision date: 05 Sep 2025



Validity: 12 months.

UniProt Primary AC: Q13635 ([UniProt](#), [ExPASy](#))

Gene Symbol: PTCH1

GeneID: [5727](#)

OMIM: [109400](#)

HGNC: 9585

KEGG: hsa:5727

Ensembl: ENSG00000185920

String: [9606.ENSP00000332353](#)

Molecular Weight: Observed MW: 161 kDa

Buffer: PBS, pH 7.3, with 0.02% sodium azide and 50% glycerol.

Concentration: 2 mg/ml

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.