

PTCH1 (aa266-280) Antibody (C or N-Term)
Peptide-affinity purified goat antibody
Catalog # AF3530a

Specification

PTCH1 (aa266-280) Antibody (C or N-Term) - Product Information

Application	WB
Primary Accession	Q13635
Other Accession	NP_000255.2 , NP_001077072.1 , NP_001077071.1 , NP_001077073.1 , 5727 , 19206 (mouse) , 89830 (rat)
Reactivity	Mouse
Predicted	Human, Rat, Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	160545

PTCH1 (aa266-280) Antibody (C or N-Term) - Additional Information

Gene ID 5727

Other Names

Protein patched homolog 1, PTC, PTC1, PTCH1, PTCH

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

PTCH1 (aa266-280) Antibody (C or N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

PTCH1 (aa266-280) Antibody (C or N-Term) - Protein Information

Name PTCH1

Synonyms PTCH

Function

Acts as a receptor for sonic hedgehog (SHH), indian hedgehog (IHH) and desert hedgehog (DHH). Associates with the smoothed 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.

Cellular Location

Cell membrane {ECO:0000250|UniProtKB:Q61115}; Multi-pass membrane protein

Tissue Location

In the adult, expressed in brain, lung, liver, heart, placenta, skeletal muscle, pancreas and kidney. Expressed in tumor cells but not in normal skin

PTCH1 (aa266-280) Antibody (C or N-Term) - 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](#)

PTCH1 (aa266-280) Antibody (C or N-Term) - Images



AF3530a (2 µg/ml) staining of Mouse fetal Kidney lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

PTCH1 (aa266-280) Antibody (C or N-Term) - Background

This antibody is expected to recognize all reported isoforms (NP_000255.2; NP_001077072.1; NP_001077071.1; NP_001077073.1). Reported variants represent identical protein: NP_001077075.1, NP_001077074.1, NP_001077073.1, NP_001077076.1

PTCH1 (aa266-280) Antibody (C or N-Term) - References

Detecting tissue-specific alternative splicing and disease-associated aberrant splicing of the PTCH gene with exon junction microarrays. Nagao K, Togawa N, Fujii K, Uchikawa H,

Kohno Y, Yamada M, Miyashita T. Hum Mol Genet. 2005 Nov 15;14(22):3379-88. PMID: 16203740