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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, Cow**
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 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.

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 Cytomety
- 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