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PTCH1 / Patched Antibody (C-Terminus)

Goat Polyclonal Antibody
Catalog # ALS13082

Specification

PTCH1 / Patched Antibody (C-Terminus) - Product Information

Application	**IHC**
Primary Accession	Q13635
Reactivity	**Human, Monkey, Horse, Dog**
Host	**Goat**
Clonality	**Polyclonal**
Calculated MW	**161kDa KDa**

PTCH1 / Patched Antibody (C-Terminus) - Additional Information

Gene ID 5727

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

Target/Specificity
Human PTCH1. This antibody is expected to recognise all reported isoforms. Variants (NP_001077073.1; NP_001077074.1; NP_001077075.1; NP_001077076.1) encode the same isoform.

Reconstitution & Storage
Store at -20°C. Minimize freezing and thawing.

Precautions
PTCH1 / Patched Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

PTCH1 / Patched Antibody (C-Terminus) - 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

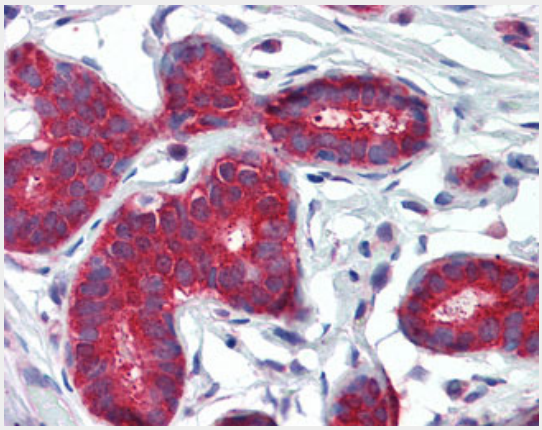
In the adult, expressed in brain, lung, liver, heart, placenta, skeletal muscle, pancreas and kidney. Expressed in tumor cells but not in normal skin

PTCH1 / Patched Antibody (C-Terminus) - Protocols

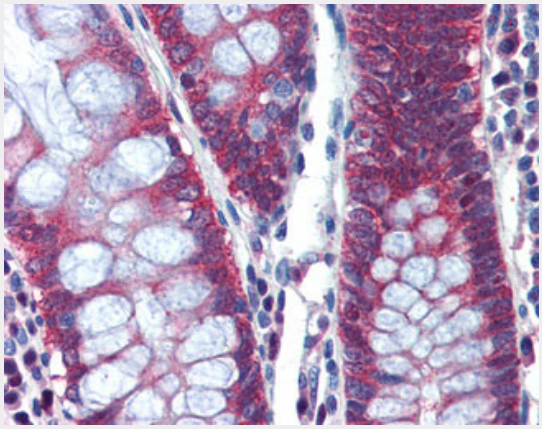
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

PTCH1 / Patched Antibody (C-Terminus) - Images



Anti-PTCH1 antibody IHC of human breast.



Anti-PTCH1 antibody IHC of human colon.

PTCH1 / Patched Antibody (C-Terminus) - Background

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sufficient step for tumorigenesis.

PTCH1 / Patched Antibody (C-Terminus) - References

Johnson R.L.,et al.Science 272:1668-1671(1996).
Hahn H.,et al.J. Biol. Chem. 271:12125-12128(1996).
Humphray S.J.,et al.Nature 429:369-374(2004).
Nagao K.,et al.Genomics 85:462-471(2005).
Shimokawa T.,et al.Oncogene 26:4889-4896(2007).