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Ihh Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP2704a

Specification

Ihh Antibody (N-term) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	Q80XI9
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**49445**
Antigen Region	**1-30**

Ihh Antibody (N-term) - Additional Information

Gene ID 16147

Other Names
Indian hedgehog

Target/Specificity
This Ihh antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human Ihh.

Dilution
WB~~1:1000
IHC-P~~1:10~50

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
Ihh Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Ihh Antibody (N-term) - Protein Information

Name Ihh {ECO:0000313|EMBL:AAH46984.1, ECO:0000313|MGI:MGI:96533}

Function [Protein hedgehog N-product]: The dually lipidated hedgehog protein N-product is a morphogen which is essential for a variety of patterning events during development.

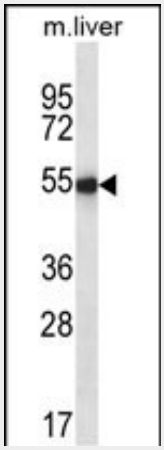
Cellular Location
Endoplasmic reticulum membrane {ECO:0000256|ARBA:ARBA00004586}. Membrane {ECO:0000256|ARBA:ARBA00004635}; Lipid-anchor {ECO:0000256|ARBA:ARBA00004635}. Secreted {ECO:0000256|ARBA:ARBA00004613} [Protein hedgehog N-product]: Cell membrane {ECO:0000256|RuleBase:RU280812}; Lipid-anchor {ECO:0000256|RuleBase:RU280812}

Ihh Antibody (N-term) - Protocols

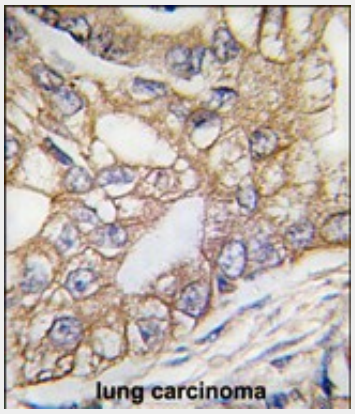
Provided below are standard protocols that you may find useful for product applications.

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

Ihh Antibody (N-term) - Images



Ihh Antibody (Mouse N-term) (Cat. #AP2704a) western blot analysis in mouse liver tissue lysates (35ug/lane).This demonstrates the Ihh antibody detected the Ihh protein (arrow).



Formalin-fixed and paraffin-embedded human lung carcinoma tissue reacted with Ihh Antibody (N-term) (Cat.#AP2704a), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry;

clinical relevance has not been evaluated.

Ihh Antibody (N-term) - Background

Ihh (Indian hedgehog) is a critical and possibly direct regulator of joint development. In its absence, distribution and function of Gdf5-expressing interzone-associated cells are abnormal.

Ihh Antibody (N-term) - References

Kobayashi,T., Proc. Natl. Acad. Sci. U.S.A. 105 (6), 1949-1954 (2008) Gat-Yablonski,G.,J. Pediatr. Endocrinol. Metab. 20 (11), 1215-1222 (2007) Koyama,E., Ann. N. Y. Acad. Sci. 1116, 100-112 (2007)

Ihh Antibody (N-term) - Citations

- Association of chloride intracellular channel 4 and Indian hedgehog proteins with survival of patients with pancreatic ductal adenocarcinoma.