

Ihh Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP2704a

Product Information

Application	IHC-P, WB, E
Primary Accession	Q80XI9
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB10375
Calculated MW	49445
Antigen Region	1-30

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	IHC-P~~1:100~500 WB~~1:1000 E~~Use at an assay dependent concentration.
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.

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}.

Secreted {ECO:0000256|ARBA:ARBA00004613} [Protein hedgehog N-product]:
Cell membrane {ECO:0000256|RuleBase:RU280812}; Lipid-anchor
{ECO:0000256|RuleBase:RU280812}

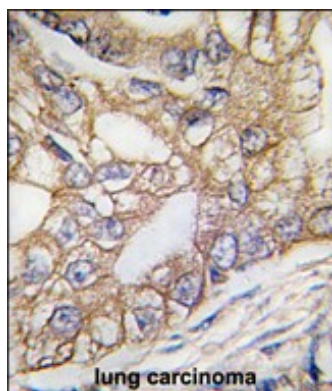
Background

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.

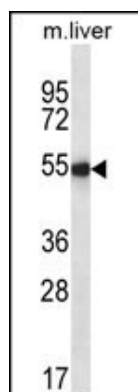
References

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)

Images



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 (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).

Citations

- [Association of chloride intracellular channel 4 and Indian hedgehog proteins with survival of patients with pancreatic ductal adenocarcinoma.](#)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.