

IHH Antibody (C-term) (Ascites)
Mouse Monoclonal Antibody (Mab)
Catalog # AM1981a

Specification

IHH Antibody (C-term) (Ascites) - Product Information

Application	WB,E
Primary Accession	O14623
Other Accession	O75473 , F1MT22 , NP_034674.1
Reactivity	Human
Predicted	Bovine
Host	Mouse
Clonality	Monoclonal
Isotype	IgG3

IHH Antibody (C-term) (Ascites) - Additional Information

Gene ID 3549

Other Names

Indian hedgehog protein, IHH, HHG-2, Indian hedgehog protein N-product, Indian hedgehog protein C-product, IHH

Target/Specificity

This IHH Monoclonal antibody is generated from mice immunized with a KLH conjugated synthetic peptide selected from the C-terminal region of human IHH.

Dilution

WB~~1:500~8000

Format

Mouse monoclonal antibody supplied in crude ascites with 0.09% (W/V) sodium azide.

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 (C-term) (Ascites) is for research use only and not for use in diagnostic or therapeutic procedures.

IHH Antibody (C-term) (Ascites) - Protein Information

Name IHH ([HGNC:5956](#))

Function [Indian hedgehog protein]: The C-terminal part of the indian hedgehog protein precursor displays an autoproteolysis and a cholesterol transferase activity (By similarity). Both activities result in the cleavage of the full-length protein into two parts followed by the covalent attachment

of a cholesterol moiety to the C- terminal of the newly generated N-product (By similarity). Both activities occur in the reticulum endoplasmic (By similarity). Plays a role in hedgehog paracrine signaling (PubMed:[24342078](#)). Associated with the very-low-density lipoprotein (VLDL) particles to function as a circulating morphogen for endothelial cell integrity maintenance (PubMed:[20839884](#)).

Cellular Location

[Indian hedgehog protein N-product]: Cell membrane; Lipid-anchor {ECO:0000250|UniProtKB:Q62226}. Note=The N-product remains associated with the cell surface. {ECO:0000250|UniProtKB:Q15465}

Tissue Location

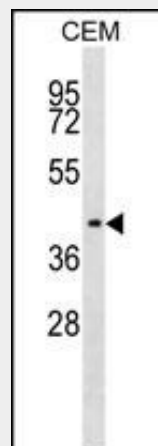
Expressed in embryonic lung, and in adult kidney and liver

IHH Antibody (C-term) (Ascites) - 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](#)

IHH Antibody (C-term) (Ascites) - Images



IHH antibody (C-term) (Cat. #AM1981a) western blot analysis in CEM cell line lysates (35µg/lane). This demonstrates the IHH antibody detected the IHH protein (arrow).

IHH Antibody (C-term) (Ascites) - Background

Intercellular signal essential for a variety of patterning events during development. Binds to the patched (PTC) receptor, which functions in association with smoothened (SMO), to activate the transcription of target genes. Implicated in endochondral ossification: may regulate the balance between growth and ossification of the developing bones. Induces the expression of parathyroid hormone-related protein (PTHrP).

IHH Antibody (C-term) (Ascites) - References

van Dop, W.A., et al. Gastroenterology 139(5):1665-1676(2010) Koike, S., et al. Biochem. Biophys. Res. Commun. 400(1):66-71(2010) Rice, D.P., et al. Hum. Mol. Genet. 19(17):3457-3467(2010) Witte, F., et al. Proc. Natl. Acad. Sci. U.S.A. 107(32):14211-14216(2010) Lyashenko, N., et al. Dev. Dyn. 239(8):2266-2277(2010)