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

## Specification

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

| | |
|---|---|
| Application | **WB,E** |
| Primary Accession | Q14623 |
| 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 mouses 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}

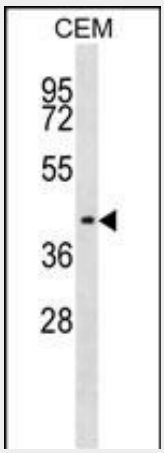
**Tissue Location**
Expressed in embryonic lung, and in adult kidney and liver

## 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 Cytomety
- 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).

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## 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)