

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

**Specification**

---

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

Application	WB,E
Primary Accession	<a href="#">O14623</a>
Other Accession	<a href="#">O75473</a> , <a href="#">F1MT22</a> , <a href="#">NP_034674.1</a>
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** Plays a role in embryonic morphogenesis; it is involved in the regulation of endochondral skeleton formation, and the development of retinal pigment epithelium (RPE), photoreceptors and periocular tissues (By similarity).

### 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

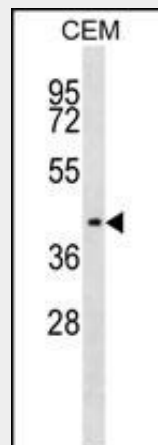
Expressed in embryonic lung, and in adult kidney and liver

### 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)