

**IHH Antibody (C-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AW5320**

**Specification**

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

Application	WB,E
Primary Accession	<a href="#">Q14623</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	polyclonal
Calculated MW	H=45;M=45 KDa
Isotype	Rabbit IgG
Antigen Source	HUMAN

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

**Gene ID** 3549

**Antigen Region**  
397-431

**Other Names**

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

**Dilution**

WB~~1:1000

**Target/Specificity**

This IHH antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 397-431 amino acids from the C-terminal region of human IHH.

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

**IHH Antibody (C-term) - 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:<a href="http://www.uniprot.org/citations/24342078" target="\_blank">24342078</a>). Associated with the very-low-density lipoprotein (VLDL) particles to function as a circulating morphogen for endothelial cell integrity maintenance (PubMed:<a href="http://www.uniprot.org/citations/20839884" target="\_blank">20839884</a>).

### 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

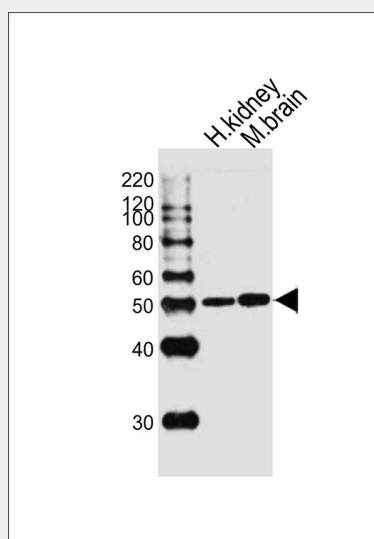
Expressed in embryonic lung, and in adult kidney and liver

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



Western blot analysis of lysates from human kidney, mouse brain tissue lysate (from left to right), using IHH Antibody (C-term) (Cat. #AW5320). AW5320 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L (HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20ug

per lane.

### **IHH Antibody (C-term) - 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) (By similarity).

### **IHH Antibody (C-term) - References**

- Tate G., et al. J. Biochem. Mol. Biol. Biophys. 4:27-34(2000).  
Mural R.J., et al. Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.  
Marigo V., et al. Genomics 28:44-51(1995).  
Chang D.T., et al. Development 120:3339-3353(1994).  
Pepinsky R.B., et al. J. Biol. Chem. 273:14037-14045(1998).