

IHH

Reactivity: Human

Tested applications: WB IHC

Recommended Dilution: WB 1:500 - 1:2000 IHC 1:50 - 1:200

Calculated MW: 45kDa

Observed MW: Refer to Figures

Immunogen:

A synthetic peptide of human IHH

Storage Buffer:

Store at 4. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

IHH;BDA1;HHG2;Indian hedgehog protein C-product;HHG-2;

Catalog #: A2474

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 3549

Isotype: IgG

Swiss Prot: Q14623

Purity: Affinity purification

For research use only.

Background:

Hedgehog proteins (Hh) are secreted signaling proteins that play many roles during animal development. Aberrant Hh signaling activity can be associated with numerous birth defects and uncontrolled Hh pathway activation is linked to the development of several types of cancers (1-2). The three identified vertebrate Hh genes are Sonic (Shh), Indian (Ihh) and Desert (Dhh), all of which have distinct as well as overlapping roles (3-5). Hh proteins are synthesized as 45 kDa precursors that undergo auto-cleavage to generate a 19 kDa amino-terminal peptide (Hh-N) and a carboxy-terminal peptide (Hh-C). The amino-terminal peptide becomes covalently attached to a cholesterol molecule at its carboxy terminus and acetylated at its amino terminus. This doubly modified Hh-N peptide is released from cells and responsible for all known Hedgehog signaling activity (6).

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