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IHH Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP14935a

Specification

IHH Antibody (N-term) Blocking Peptide - Product Information

Primary Accession Q14623

IHH Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 3549

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

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

IHH Antibody (N-term) Blocking Peptide - 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

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IHH Antibody (N-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

IHH Antibody (N-term) Blocking Peptide - Images

IHH Antibody (N-term) Blocking Peptide - Background

This gene encodes a member of the hedgehog family ofsecreted signaling molecules. Hedgehog proteins are essentialregulators of a variety of developmental processes includinggrowth, patterning and morphogenesis. The encoded proteinspecifically plays a role in bone growth an differentiation.Mutations in this gene are the cause of brachydactyly type A1 whichis characterized by shortening or malformation of the phalanges.Mutations in this gene are also the cause of acrocapitofemoraldysplasia.

IHH Antibody (N-term) Blocking Peptide - References

Meulenbelt, I., et al. Ann. Rheum. Dis. (2010) In press :Kang, S.J., et al. Hum. Mol. Genet. 19(13):2725-2738(2010)Okada, Y., et al. Hum. Mol. Genet. 19(11):2303-2312(2010)Zhao, J., et al. BMC Med. Genet. 11, 96 (2010) :Chuang, P.T., et al. Nature 397(6720):617-621(1999)