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Anti-IHH Antibody

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18238

Product Information

Application	WB, IHC-P, E
Primary Accession	Q14623
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	45251
Concentration (mg/ml)	1 mg/ml

Additional Information

Gene ID	3549
Alias Symbol	IHH
Other Names	IHH, Indian hedgehog, Indian hedgehog homolog, Indian hedgehog protein, HHG2, BDA1, HHG-2
Target/Specificity	Human IHH
Reconstitution & Storage	Caprylic acid and ammonium sulfate precipitation
Precautions	Anti-IHH Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	IHH {ECO:0000303|PubMed:7590746, ECO:0000312|HGNC:HGNC:5956}
Function	[Indian hedgehog protein]: Precursor of indian hedgehog, a morphogen that activates the smoothened signaling pathway, and which is essential for bone and cartilage development (By similarity). The C- terminal part of the precursor displays an autoproteolysis and a cholesterol transferase activity, resulting (1) in the cleavage of the full-length protein into two parts, indian hedgehog protein N-product and C-product and (2) covalent attachment of a cholesterol moiety to the C-terminus of the newly generated N-product (By similarity). Both autoproteolysis and a cholesterol transferase activities occur in the endoplasmic reticulum (By similarity). Following additional lipidation, N-product acts as a morphogen, while C-product is degraded in the endoplasmic reticulum (By similarity).
Cellular Location	[Indian hedgehog protein]: Endoplasmic reticulum membrane

	{ECO:0000250|UniProtKB:Q15465}. Golgi apparatus membrane {ECO:0000250|UniProtKB:Q15465}. Note=Co-localizes with HHAT in the ER and Golgi membrane. {ECO:0000250|UniProtKB:Q15465}
Tissue Location	Expressed in embryonic lung, and in adult kidney and liver

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.