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HHIP Rabbit pAb

Catalog # AP96238

Product Information

Application	WB, E
Primary Accession	Q96QV1
Other Accession	Q96QV1
Predicted	Rat, Human, Mouse, Chicken, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	78851
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human HHIP
Epitope Specificity	501-600/700
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasm and Cell membrane. Secreted. The last 22 C-terminal amino acids may participate in cell membrane attachment.
SIMILARITY	Belongs to the HHIP family. Contains 2 EGF-like domains.
SUBUNIT	Interacts with all three hedgehog family members, SHH, IHH and DHH.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Hedgehog (Hh) signaling proteins are critical for growth and tissue patterning during development. Patched (Ptc), a putative 12 transmembrane receptor, binds to Sonic hedgehog and is suspected to be a negative regulator of Hh signaling. A family member of patched, designated patched 2, has been found to be co-expressed with Sonic hedgehog. Smoothened (Smo), a seven transmembrane receptor, is complexed with patched in many tissues and is believed to be an essential component in the Hh signaling pathway. Hhip (hedgehog-interacting protein) is able to bind to and may be a transcriptional target of all Hh proteins. Binding of Hhip to Hh proteins attenuates hedgehog signaling.

Additional Information

Gene ID	64399
Other Names	HHIP_HUMAN; HHIP; HIP; HHIP_MOUSE; hedgehog interacting protein; hedgehog-interacting protein
Target/Specificity	Widely expressed in fetal and adult tissues. Highest expression in adult heart, liver and pancreas, and in fetal kidney.
Dilution	WB=1:500-2000,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When

reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	HHIP
Synonyms	HIP
Function	Modulates hedgehog signaling in several cell types including brain and lung through direct interaction with members of the hedgehog family.
Cellular Location	Cell membrane; Peripheral membrane protein. Secreted. Note=The last 22 C-terminal amino acids may participate in cell membrane attachment
Tissue Location	Widely expressed in fetal and adult tissues. Highest expression in adult heart, liver and pancreas, and in fetal kidney. {ECO:0000269|PubMed:11435703, ECO:0000269|Ref.1}

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