



Rabbit Anti-HHIP antibody

SL12316R

Product Name:	HHIP
Chinese Name:	HHIP蛋白抗体
Alias:	FLJ20992; FLJ90230; Hedgehog interacting protein; Hedgehog-interacting protein; hedgehoginteracting protein; HHIP; HHIP_HUMAN; HIP.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Cow,Horse,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	77kDa
Cellular localization:	cytoplasmicThe cell membraneSecretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human HHIP:501-600/700
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	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.

Function:

Modulates hedgehog signaling in several cell types including brain and lung through direct interaction with members of the hedgehog family.

Subunit:

Interacts with all three hedgehog family members, SHH, IHH and DHH.

Subcellular Location:

Cytoplasm and Cell membrane. Secreted. The last 22 C-terminal amino acids may participate in cell membrane attachment.

Tissue Specificity:

Widely expressed in fetal and adult tissues. Highest expression in adult heart, liver and pancreas, and in fetal kidney.

Similarity:

Belongs to the HHIP family.
Contains 2 EGF-like domains.

SWISS:

Q96QV1

Gene ID:

64399

Database links:

[Entrez Gene: 540830](#)Cow

[Entrez Gene: 64399](#)Human

[Entrez Gene: 15245](#)Mouse

[Omim: 606178](#)Human

[SwissProt: Q96QV1](#)Human

[SwissProt: Q7TN16](#)Mouse

[Unigene: 507991](#)Human

[Unigene: 254493](#)Mouse

Important Note:

	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
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