10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

HHAT Rabbit pAb

Catalog # AP96924

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	Q5VTY9
Other Accession	Q5VTY9
Predicted	Rat, Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	57313
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from Human HHAT
Epitope Specificity	101-200/493
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the membrane-bound acyltransferase family. HHAT subfamily.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	'Skinny hedgehog' (SKI1) encodes an enzyme that acts within the secretory pathway to catalyze amino-terminal palmitoylation of 'hedgehog' (see MIM 600725).[supplied by OMIM, Jul 2002]

Additional Information

Gene ID	55733
Other Names	HHAT_HUMAN; Protein-cysteine N-palmitoyltransferase HHAT; Hedgehog acyltransferase; Melanoma antigen recognized by T-cells 2; MART-2; Skinny hedgehog protein 1; SKI1; NNMS;
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,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	HHAT {ECO:0000303|PubMed:18534984, ECO:0000312|HGNC:HGNC:18270}
Function	Palmitoyl acyltransferase that catalyzes N-terminal palmitoylation of hedgehog (DHH, IHH or SHH) morphogens, promoting their maturation

	(PubMed:11486055, PubMed:18534984, PubMed:24784881, PubMed:31875564, PubMed:34112694, PubMed:34890564). Promotes the transfer of palmitoyl-CoA from the cytoplasmic to the luminal side of the endoplasmic reticulum membrane, where hedgehog palmitoylation occurs (PubMed:31875564, PubMed:34112694, PubMed:34890564). Required for hedgehog signaling during limb development (By similarity). Plays a role in proper testis cord formation and the differentiation of Leydig cells (PubMed:24784881).
Cellular Location	Endoplasmic reticulum membrane; Multi-pass membrane protein. Golgi apparatus membrane; Multi-pass membrane protein. Note=Co-localizes with SHH in the ER and Golgi membrane
Tissue Location	Widely expressed. Expressed in fetal ovary and testis, with high levels of expression observed in Sertoli cells (PubMed:24784881).

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