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[Primary Antibody]

Rabbit Anti-HHAT antibody

Catalog Number: SL15474R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	HHAT
Immunogen:	KLH conjugated synthetic peptide derived from Human HHATL/GUP1: 101-200/493
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	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 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted: Human, Mouse, Rat)
Predicted MW.:	57kDa
Subcellular Location:	cytoplasmic
Background:	HHAT is a 493 amino acid multi-pass membrane protein that localizes to the endoplasmic reticulum and belongs to the membrane-bound acyltransferase family. Expressed ubiquitously, HHAT functions to catalyze the N-terminal palmitoylation of SSH (slingshot homolog), an event that is required for SHH signaling pathways. HHAT is expressed in cancer cell lines, suggesting a role for HHAT in tumorigenesis. The gene encoding HHAT maps to human chromosome 1 and is expressed as four alternatively spliced isoforms. Chromosome 1 is the largest human chromosome, spanning about 260 million base pairs and making up 8% of the human genome. Several disorders,

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	including Stickler syndrome, Parkinsons Disease, Gaucher disease, malignant melanoma and Usher syndrome, are caused by defects in genes that localize to chromosome 1. **Function:** Catalyzes N-terminal palmitoylation of SHH; which is required for SHH signaling (By similarity). May bind GTP. **Subcellular Location:** Endoplasmic reticulum membrane; Multi-pass membrane protein (By similarity). **Tissue Specificity:** Ubiquitously expressed in normal tissues and cancer cell lines. **Similarity:** Belongs to the membrane-bound acyltransferase family. HHAT subfamily. **Database links:** **Entrez Gene:** 57467 Human **Entrez Gene:** 74770 Mouse **Entrez Gene:** 301073 Rat Omim: 608116 Human **SwissProt:** Q9HCP6 Human **SwissProt:** Q9D1G3 Mouse **Unigene:** 476041 Human

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