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HINT2 Rabbit pAb

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Catalog # AP56297

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9BX68
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	17162
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human HINT2
Epitope Specificity	81-163/163
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	Mitochondrion.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Histidine triad proteins, such as HINT2, are nucleotide hydrolases and transferases that act on the alpha-phosphate of ribonucleotides (Brenner, 2002 [PubMed 12119013]).[supplied by OMIM, Mar 2008]

Additional Information

Gene ID	84681
Other Names	Adenosine 5'-monophosphoramidase HINT2, 3.9.1.-, HINT-3 {ECO:0000303|Ref.4}, HIT-17kDa {ECO:0000303|Ref.1}, Histidine triad nucleotide-binding protein 2, mitochondrial, HINT-2 {ECO:0000303|Ref.3}, PKCI-1-related HIT protein {ECO:0000303|Ref.2}, HINT2 (HGNC:18344)
Dilution	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	HINT2 (HGNC:18344)

Function	Exhibits adenosine 5'-monophosphoramidase activity, hydrolyzing purine nucleotide phosphoramidates with a single phosphate group such as adenosine 5'monophosphoramidate (AMP-NH2) to yield AMP and NH2 (PubMed:16762638, PubMed:31990367). Hydrolyzes adenosine 5'-O-p-nitrophenylphosphoramidate (AMP-pNA) (PubMed:16762638). Hydrolyzes fluorogenic purine nucleoside tryptamine phosphoramidates in vitro (PubMed:31990367). May be involved in steroid biosynthesis (PubMed:18653718). May play a role in apoptosis (PubMed:16762638).
Cellular Location	Mitochondrion
Tissue Location	High expression in liver and pancreas. Expression is significantly down-regulated in hepatocellular carcinoma (HCC) patients.

Background

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