

HINT3 Rabbit pAb

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Catalog # AP56298

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9NQE9
Predicted	Rat, Human, Mouse, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	20361
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human HINT3
Epitope Specificity	61-160/182
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. Nucleus. Localized as aggregates in the cytoplasm and the nucleus.
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 HINT3, 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	135114
Other Names	Adenosine 5'-monophosphoramidase HINT3, 3.9.1.-, Histidine triad nucleotide-binding protein 3, HINT-3, HINT3
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:500 0-10000
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	HINT3
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:[17870088](#)). Hydrolyzes lysyl-AMP (AMP-N-epsilon-(N- alpha-acetyl lysine methyl ester)) generated by lysine tRNA ligase (PubMed:[17870088](#)). Hydrolyzes 3-indolepropionic acyl-adenylate and fluorogenic purine nucleoside tryptamine phosphoramidates in vitro (PubMed:[17870088](#)).

Cellular Location

Cytoplasm. Nucleus. Note=Localized as aggregates in the cytoplasm and the nucleus

Background

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