

HINT2 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP10153c

Specification

HINT2 Antibody (Center) Blocking peptide - Product Information

Primary Accession [O9BX68](#)
Other Accession [NP_115982.1](#)

HINT2 Antibody (Center) Blocking peptide - Additional Information

Gene ID 84681

Other Names

Histidine triad nucleotide-binding protein 2, mitochondrial, HINT-2, 3---, HINT-3, HIT-17kDa, PKCI-1-related HIT protein, HINT2

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

HINT2 Antibody (Center) Blocking peptide - 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](http://www.uniprot.org/citations/16762638), PubMed: [31990367](http://www.uniprot.org/citations/31990367)). Hydrolyzes adenosine 5'-O- p-nitrophenylphosphoramidate (AMP-pNA) (PubMed: [16762638](http://www.uniprot.org/citations/16762638)). Hydrolyzes fluorogenic purine nucleoside tryptamine phosphoramidates in vitro (PubMed: [31990367](http://www.uniprot.org/citations/31990367)). May be involved in steroid biosynthesis (PubMed: [18653718](http://www.uniprot.org/citations/18653718)). May play a role in apoptosis (PubMed: [16762638](http://www.uniprot.org/citations/16762638)).

Cellular Location

Mitochondrion

Tissue Location

High expression in liver and pancreas. Expression is significantly down-regulated in hepatocellular carcinoma (HCC) patients.

HINT2 Antibody (Center) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

HINT2 Antibody (Center) Blocking peptide - Images**HINT2 Antibody (Center) Blocking peptide - Background**

Histidine triad proteins, such as HINT2, are nucleotidohydrolases and transferases that act on the alpha-phosphate of ribonucleotides (Brenner, 2002 [PubMed 12119013]).[supplied by OMIM].

HINT2 Antibody (Center) Blocking peptide - References

Lenglet, S., et al. Endocrinology 149(11):5461-5469(2008) Lamesch, P., et al. Genomics 89(3):307-315(2007) Martin, J., et al. Gastroenterology 130(7):2179-2188(2006) Brenner, C. Biochemistry 41(29):9003-9014(2002)