

**HINT3 Antibody (N-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP13096a****Specification**

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**HINT3 Antibody (N-term) Blocking peptide - Product Information**Primary Accession [O9NQE9](#)**HINT3 Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 135114**Other Names**

Histidine triad nucleotide-binding protein 3, HINT-3, 3---, HINT3

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody AP13096a was selected from the N-term region of HINT3. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**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.

**HINT3 Antibody (N-term) Blocking peptide - 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-NH<sub>2</sub>) to yield AMP and NH<sub>2</sub> (PubMed:<a href="http://www.uniprot.org/citations/17870088" target="\_blank">17870088</a>). Hydrolyzes lysyl-AMP (AMP-N-epsilon-(N- alpha-acetyl lysine methyl ester)) generated by lysine tRNA ligase (PubMed:<a href="http://www.uniprot.org/citations/17870088" target="\_blank">17870088</a>). Hydrolyzes 3-indolepropionic acyl-adenylate and fluorogenic purine nucleoside tryptamine phosphoramidates in vitro (PubMed:<a href="http://www.uniprot.org/citations/17870088" target="\_blank">17870088</a>).

**Cellular Location**

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

**HINT3 Antibody (N-term) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

**HINT3 Antibody (N-term) Blocking peptide - Images****HINT3 Antibody (N-term) Blocking peptide - Background**

Histidine triad proteins, such as HINT3, are nucleotidehydrolases and transferases that act on the alpha-phosphate of ribonucleotides (Brenner, 2002 [PubMed 12119013]).[supplied by OMIM].

**HINT3 Antibody (N-term) Blocking peptide - References**

Chou, T.F., et al. J. Mol. Biol. 373(4):978-989(2007) Brenner, C. Biochemistry  
41(29):9003-9014(2002) Bieganski, P., et al. J. Biol. Chem. 277(13):10852-10860(2002)