

**PYHIN1 Blocking Peptide (N-term)**

Synthetic peptide

Catalog # BP5376a

**Specification**

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**PYHIN1 Blocking Peptide (N-term) - Product Information**

Primary Accession

[O6K0P9](#)

Other Accession

[O16666](#), [NP\\_945146.1](#), [NP\\_945148.1](#)**PYHIN1 Blocking Peptide (N-term) - Additional Information****Gene ID** 149628**Other Names**

Pyrin and HIN domain-containing protein 1, Interferon-inducible protein X, PYHIN1, IFIX

**Target/Specificity**

The synthetic peptide sequence is selected from aa 41-55 of HUMAN PYHIN1

**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.

**PYHIN1 Blocking Peptide (N-term) - Protein Information****Name** PYHIN1**Synonyms** IFIX**Function**

Major mediator of the tumor suppressor activity of IFN in breast cancer cells. Promotes ubiquitination and subsequent degradation of MDM2, which leads to p53/TP53 stabilization. Promotes ubiquitination and subsequent degradation of HDAC1, which in turn enhances maspin expression, and impairs invasive activity of cancer cells.

**Cellular Location**

[Isoform 1]: Nucleus, nucleoplasm. [Isoform 5]: Nucleus. Nucleus speckle.

**Tissue Location**

Expressed in spleen, lymph node and peripheral blood leukocytes, and at lower levels in thymus, bone marrow and fetal liver. Down-regulated in breast tumors.

### **PYHIN1 Blocking Peptide (N-term) - Protocols**

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

- [Blocking Peptides](#)

### **PYHIN1 Blocking Peptide (N-term) - Images**

### **PYHIN1 Blocking Peptide (N-term) - Background**

PYHIN1 belongs to the HIN200 family of interferon-inducible proteins that share a 200-amino acid signature motif at their C-terminal ends. HIN200 proteins are primarily nuclear and are involved in transcriptional regulation of genes important for cell cycle control, differentiation, and apoptosis (Ding et al., 2006 [PubMed 16479015]).

### **PYHIN1 Blocking Peptide (N-term) - References**

Yamaguchi, H., et al. Mol. Carcinog. 47(10):739-743(2008)  
Ding, Y., et al. Mol. Cell. Biol. 26(5):1979-1996(2006)  
Ding, Y., et al. Oncogene 23(26):4556-4566(2004)