

PYHIN1 Blocking Peptide (N-term)
Synthetic peptide
Catalog # BP5376a

Specification

PYHIN1 Blocking Peptide (N-term) - Product Information

Primary Accession
Other Accession

[Q6K0P9](#)
[Q16666](#), [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)