

PPHLN1 Blocking Peptide (N-term)

Synthetic peptide

Catalog # BP20529a

Specification

PPHLN1 Blocking Peptide (N-term) - Product Information

Primary Accession

[Q8NEY8](#)**PPHLN1 Blocking Peptide (N-term) - Additional Information**

Gene ID 51535

Other Names

Periphilin-1, Gastric cancer antigen Ga50, PPHLN1

Target/Specificity

The synthetic peptide sequence is selected from aa 55-66 of Human PPHLN1

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.

PPHLN1 Blocking Peptide (N-term) - Protein InformationName PPHLN1 ([HGNC:19369](#))**Function**

Component of the HUSH complex, a multiprotein complex that mediates epigenetic repression. The HUSH complex is recruited to genomic loci rich in H3K9me3 and is probably required to maintain transcriptional silencing by promoting recruitment of SETDB1, a histone methyltransferase that mediates further deposition of H3K9me3. In the HUSH complex, contributes to the maintenance of the complex at chromatin (PubMed:26022416). Acts as a transcriptional corepressor and regulates the cell cycle, probably via the HUSH complex (PubMed:15474462, PubMed:17963697). The HUSH complex is also involved in the silencing of unintegrated retroviral DNA: some part of the retroviral DNA formed immediately after infection remains unintegrated in the host genome and is transcriptionally repressed (PubMed:30487602). May be involved in epithelial differentiation by contributing to epidermal integrity and barrier formation (PubMed:12853457).

Cellular Location

Nucleus. Cytoplasm. Chromosome. Note=In undifferentiated keratinocytes expressed in speckle-type nuclear granules and at the nuclear membrane, but in the differentiated keratinocytes colocalized with periplakin at the cell periphery and at cell-cell junctions (PubMed:12853457) Localizes to chromatin (PubMed:26022416).

Tissue Location

Ubiquitous..

PPHLN1 Blocking Peptide (N-term) - Protocols

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

- [Blocking Peptides](#)

PPHLN1 Blocking Peptide (N-term) - Images**PPHLN1 Blocking Peptide (N-term) - Background**

Involved in epithelial differentiation and contributes to epidermal integrity and barrier formation.

PPHLN1 Blocking Peptide (N-term) - References

Imami K., et al. Anal. Sci. 24:161-166(2008).
Line A., et al. Br. J. Cancer 86:1824-1830(2002).
Kazerounian S., et al. J. Biol. Chem. 278:36707-36717(2003).
Zhang Q.-H., et al. Genome Res. 10:1546-1560(2000).
Ota T., et al. Nat. Genet. 36:40-45(2004).