

PPHLN1 Antibody (Internal)
Rabbit Polyclonal Antibody
Catalog # ALS15883

Specification

PPHLN1 Antibody (Internal) - Product Information

Application	IHC, IF, WB
Primary Accession	Q8NEY8
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	53kDa KDa

PPHLN1 Antibody (Internal) - Additional Information

Gene ID 51535

Other Names

Periphilin-1, Gastric cancer antigen Ga50, PPHLN1

Target/Specificity

Human PPHLN1 / Periphilin.

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

Precautions

PPHLN1 Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

PPHLN1 Antibody (Internal) - Protein Information

Name 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

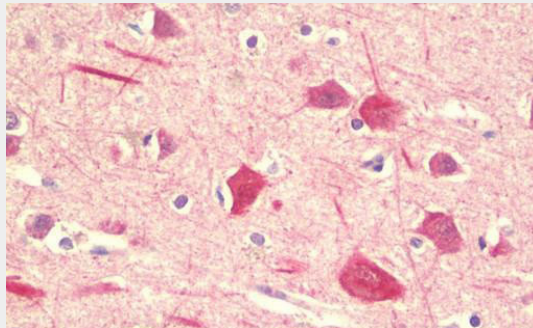
Ubiquitous..

PPHLN1 Antibody (Internal) - Protocols

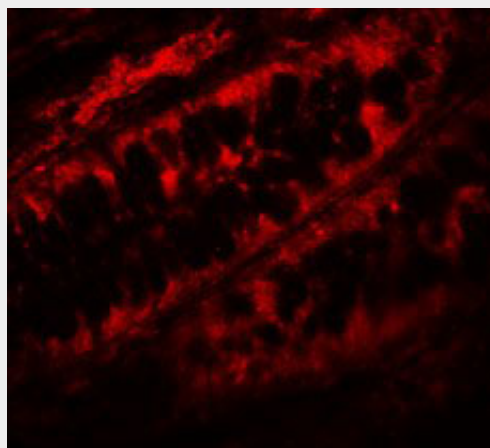
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

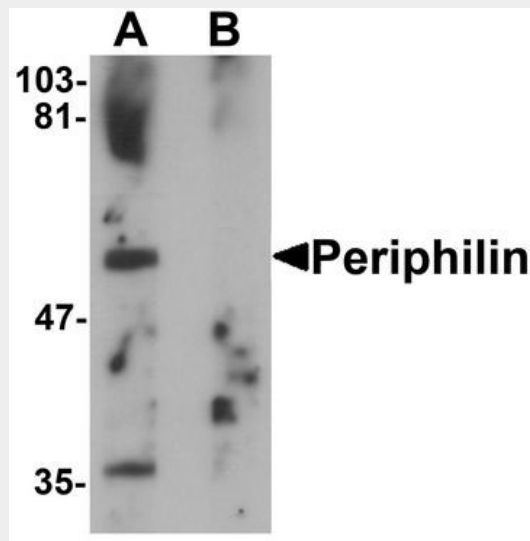
PPHLN1 Antibody (Internal) - Images



Anti-PPHLN1 antibody IHC staining of human brain, cortex.



Immunofluorescence of Periphilin in human colon tissue with Periphilin antibody at 5 µg/mL.



Western blot analysis of Periphilin in mouse colon tissue lysate with Periphilin antibody at 1 µg/mL.

PPHLN1 Antibody (Internal) - Background

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

PPHLN1 Antibody (Internal) - References

- 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).
- Li W.B., et al. Submitted (JUL-2004) to the EMBL/GenBank/DDBJ databases.