

**PPHLN1 Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP51442****Specification**

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**PPHLN1 Antibody - Product Information**

Application	WB, ICC, IHC-P, E
Primary Accession	<a href="#">Q8NEY8</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	53, 50, 43, 37 KDa

**PPHLN1 Antibody - Additional Information****Gene ID** 51535**Other Names**

Periphilin-1, Gastric cancer antigen Ga50, PPHLN1

**Target/Specificity**

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human PPHLN1. The exact sequence is proprietary.

**Dilution**

WB~~1:1000

ICC~~N/A

IHC-P~~N/A

E~~N/A

**Format**

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**PPHLN1 Antibody - 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:<a href="http://www.uniprot.org/citations/26022416" target="\_blank">26022416</a>). Acts as a transcriptional corepressor and regulates the cell cycle, probably via the HUSH complex

(PubMed:<a href="http://www.uniprot.org/citations/15474462" target="\_blank">15474462</a>, PubMed:<a href="http://www.uniprot.org/citations/17963697" target="\_blank">17963697</a>). 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:<a href="http://www.uniprot.org/citations/30487602" target="\_blank">30487602</a>). May be involved in epithelial differentiation by contributing to epidermal integrity and barrier formation (PubMed:<a href="http://www.uniprot.org/citations/12853457" target="\_blank">12853457</a>).

#### **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 - 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 - Images**

### **PPHLN1 Antibody - Background**

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

### **PPHLN1 Antibody - 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).  
Scherer S.E.,et al.Nature 440:346-351(2006).