

### **PPHLN1 Antibody (N-term)**

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP20529a

### Specification

# **PPHLN1 Antibody (N-term) - Product Information**

Application	IF, WB,E
Primary Accession	<u>O8NEY8</u>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
lsotype	Rabbit IgG
Calculated MW	52737
Antigen Region	45-66

## **PPHLN1 Antibody (N-term) - Additional Information**

Gene ID 51535

**Other Names** Periphilin-1, Gastric cancer antigen Ga50, PPHLN1

Target/Specificity

This PPHLN1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 45-66 amino acids from the N-terminal region of human PPHLN1.

**Dilution** IF~~1:25 WB~~1:1000 E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions** PPHLN1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

# **PPHLN1** Antibody (N-term) - 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:<u>26022416</u>). Acts as a transcriptional corepressor and regulates the cell cycle, probably via the HUSH complex (PubMed:<u>15474462</u>, PubMed:<u>17963697</u>). 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:<u>30487602</u>). May be involved in epithelial differentiation by contributing to epidermal integrity and barrier formation (PubMed:<u>12853457</u>).

#### **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).

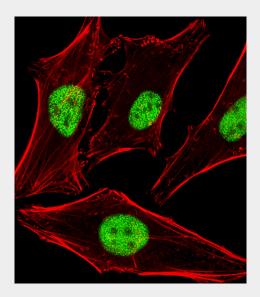
Tissue Location Ubiquitous..

### **PPHLN1** Antibody (N-term) - Protocols

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

- <u>Western Blot</u>
- Blocking Peptides
- <u>Dot Blot</u>
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

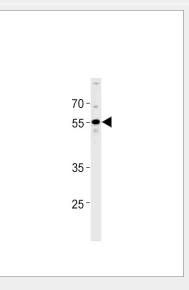
### **PPHLN1 Antibody (N-term) - Images**



Fluorescent image of Hela cells stained with PPHLN1 Antibody (N-term)(Cat#AP20529A). AP20529A was diluted at 1:25 dilution. An Alexa Fluor 488-conjugated goat anti-rabbit IgG at



1:400 dilution was used as the secondary antibody (green). Cytoplasmic actin was counterstained with Alexa Fluor® 555 conjugated with Phalloidin (red).



PPHLN1 Antibody (N-term) (Cat. #AP20529a) western blot analysis in A549 cell line lysates (35ug/lane). This demonstrates the PPHLN1 antibody detected the PPHLN1 protein (arrow).

# PPHLN1 Antibody (N-term) - Background

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

# **PPHLN1 Antibody (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).