

PPHLN1 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP20529a

Product Information

Application	WB, IF, E
Primary Accession	Q8NEY8
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	52737
Antigen Region	45-66

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	WB~~1:1000 IF~~1:25 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.

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..

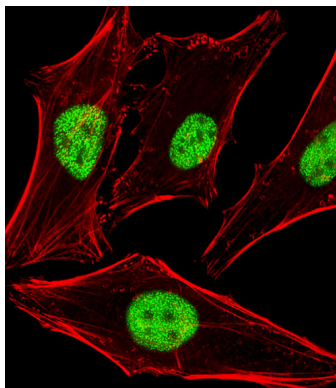
Background

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

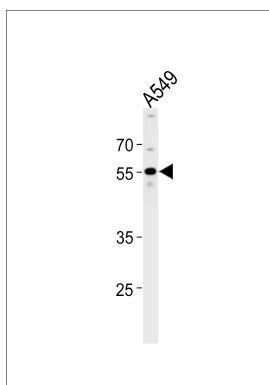
References

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Zhang Q.-H., et al. Genome Res. 10:1546-1560(2000).
Ota T., et al. Nat. Genet. 36:40-45(2004).

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).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.