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PPHLN1 Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51442

Product Information

Application	WB, ICC, IHC-P
Primary Accession	Q8NEY8
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	52737

Additional Information

Gene ID	51535
Other Names	Periphilin-1, Gastric cancer antigen Ga50, PPHLN1
Dilution	WB~~1:1000 ICC~~N/A IHC-P~~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

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

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).
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