

Periphilin 1 Polyclonal Antibody

Catalog No :	YT3665
Reactivity :	Human;Mouse
Applications :	WB;IHC;IF;ELISA
Target :	Periphilin 1
Gene Name :	PPHLN1
Protein Name :	Periphilin-1
Human Gene Id :	51535
Human Swiss Prot No :	Q8NEY8
Mouse Gene Id :	223828
Mouse Swiss Prot No :	Q8K2H1
Immunogen :	The antiserum was produced against synthesized peptide derived from human PPHLN. AA range:71-120
Specificity :	Periphilin 1 Polyclonal Antibody detects endogenous levels of Periphilin 1 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:5000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 53kD

Background : The protein encoded by this gene is one of the several proteins that become sequentially incorporated into the cornified cell envelope during the terminal differentiation of keratinocyte at the outer layers of epidermis. This protein interacts with periplakin, which is known as a precursor of the cornified cell envelope. The cellular localization pattern and insolubility of this protein suggest that it may play a role in epithelial differentiation and contribute to epidermal integrity and barrier formation. Multiple alternatively spliced transcript variants encoding distinct isoforms have been observed. [provided by RefSeq, Jul 2008],

Function : function:Involved in epithelial differentiation and contributes to epidermal integrity and barrier formation.,PTM:Substrate of transglutaminase (in vitro).,subcellular location: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.,subunit:Homodimer. Interacts with PPL.,tissue specificity:Ubiquitous.,

Subcellular Location : Nucleus . Cytoplasm . Chromosome . 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). .

Expression : Ubiquitous.

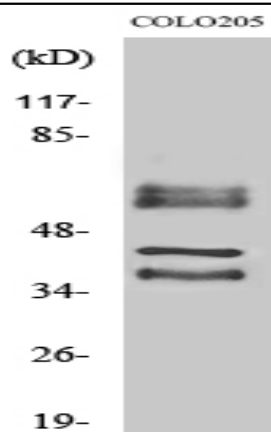
Sort : 11832

No4 : 1

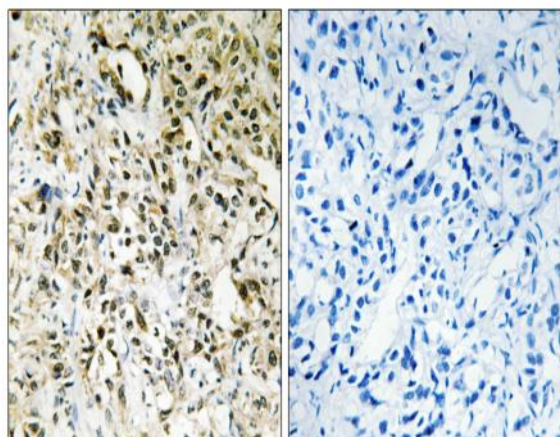
Host : Rabbit

Modifications : Unmodified

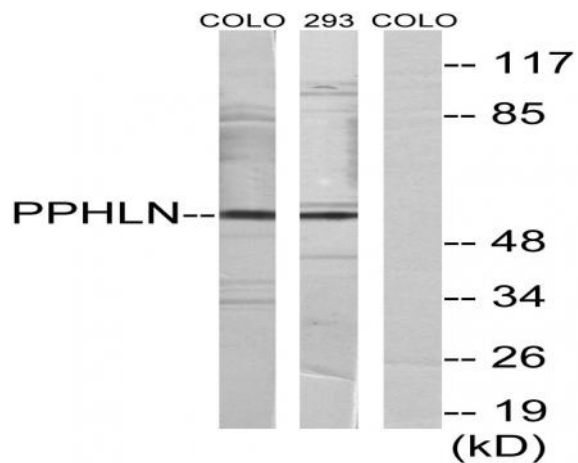
Products Images



Western Blot analysis of various cells using Periphilin 1 Polyclonal Antibody



Immunohistochemistry analysis of paraffin-embedded human liver carcinoma tissue, using PPHLN Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from COLO and 293 cells, using PPHLN Antibody. The lane on the right is blocked with the synthesized peptide.