

For Research Use Only

# Periphilin 1 Polyclonal antibody

Catalog Number: 30437-1-AP



## Basic Information

<b>Catalog Number:</b> 30437-1-AP	<b>GenBank Accession Number:</b> BC039832	<b>Purification Method:</b> Antigen affinity purification
<b>Source:</b> Rabbit	<b>GeneID (NCBI):</b> 51535	<b>Recommended Dilutions:</b> WB: 1:2000-1:12000 IHC: 1:50-1:500
<b>Isotype:</b> IgG	<b>UNIPROT ID:</b> Q8NEY8	
<b>Immunogen Catalog Number:</b> AG32768	<b>Full Name:</b> Periphilin 1	
	<b>Calculated MW:</b> 458 aa, 53 kDa	
	<b>Observed MW:</b> 37-70 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b> WB : A549 cells, Calu-1 cells, Jurkat cells, MG-63 cells, U2OS cells IHC : mouse colon tissue,
<b>Species Specificity:</b> human, mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

Periphilin 1 is a component of the HUSH complex, which is a multiprotein complex that mediates epigenetic repression. The HUSH complex is recruited to genomic loci rich in H3K9me3 and is likely necessary for maintaining transcriptional silencing by promoting the recruitment of SETDB1, a histone methyltransferase that mediates the deposition of additional H3K9me3. Periphilin 1 contributes to the maintenance of the HUSH complex at chromatin (PMID: 26022416).

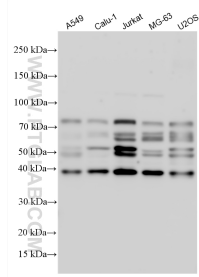
## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

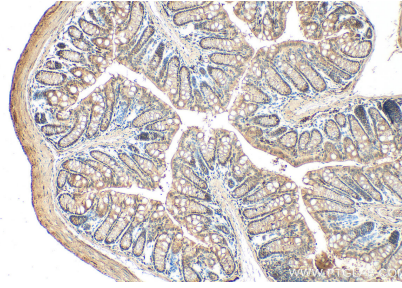
For technical support and original validation data for this product please contact:  
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

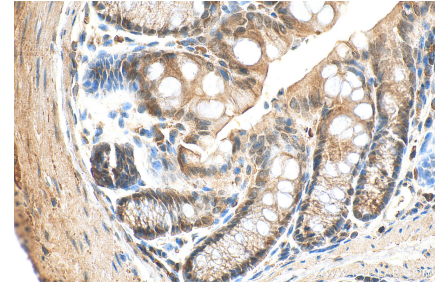
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 30437-1-AP (Periphilin 1 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using 30437-1-AP (Periphilin 1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using 30437-1-AP (Periphilin 1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).