

For Research Use Only

# ENPP4 Polyclonal antibody

Catalog Number: 17305-1-AP **1 Publications**



## Basic Information

<b>Catalog Number:</b> 17305-1-AP	<b>GenBank Accession Number:</b> BC018054	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 300 µg/ml by Nanodrop and 167 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 22875	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:20-1:200
<b>Source:</b> Rabbit	<b>Full Name:</b> ectonucleotide pyrophosphatase/phosphodiesterase 4 (putative function)	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 453 aa, 52 kDa	
<b>Immunogen Catalog Number:</b> AG11192	<b>Observed MW:</b> 52-60 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b> WB : HL-60 cells, IHC : human brain tissue,
<b>Cited Applications:</b> IHC	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> human	

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

ENPP4, also named as KIAA0879 or NPP4, is a 453 amino acid protein, which belongs to the nucleotide pyrophosphatase/phosphodiesterase family. ENPP4 localizes in the cell membrane and hydrolyzes extracellular Ap3A into AMP and ADP, and Ap4A into AMP and ATP. ENPP4 is expressed on the surface of vascular endothelia.

## Notable Publications

Author	Pubmed ID	Journal	Application
Albright Ronald A RA	22995898	Blood	IHC

## Storage

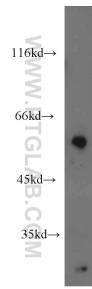
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

**\*\*\* 20ul sizes contain 0.1% BSA**

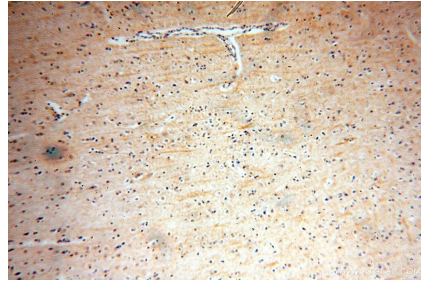
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

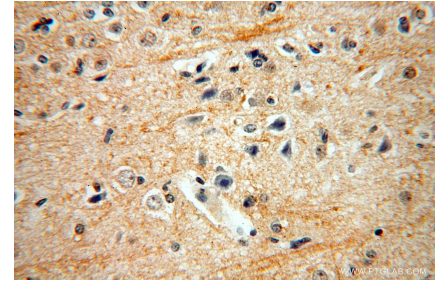
## Selected Validation Data



HL-60 cells were subjected to SDS PAGE followed by western blot with 17305-1-AP (ENPP4 antibody) at dilution of 1:1200 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human brain using 17305-1-AP (ENPP4 antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human brain using 17305-1-AP (ENPP4 antibody) at dilution of 1:100 (under 40x lens).