

ENPP4 Polyclonal antibody

Catalog Number: 17305-1-AP

1 Publications

Basic Information

Catalog Number:

17305-1-AP

Size:

600 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG11192

GenBank Accession Number:

BC018054

GeneID (NCBI):

22875

UNIPROT ID:

Q9Y6X5

Full Name:

ectonucleotide
pyrophosphatase/phosphodiesterase
4 (putative function)

Calculated MW:

453 aa, 52 kDa

Observed MW:

52-60 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:20-1:200

Applications

Tested Applications:

IHC, WB, ELISA

Cited Applications:

IHC

Species Specificity:

human, mouse, rat

Cited Species:

human

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

Positive Controls:

WB : HL-60 cells,

IHC : human brain tissue,

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

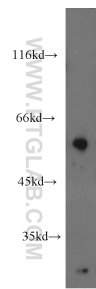
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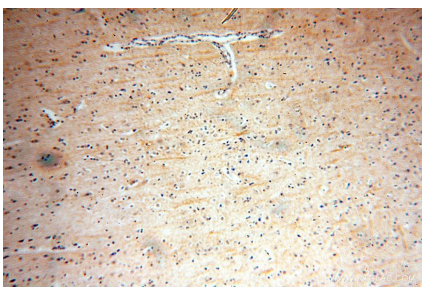
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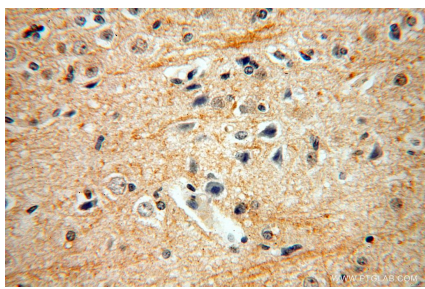
Selected Validation Data



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).