

For Research Use Only

# ENPP2 Monoclonal antibody

Catalog Number: 68724-1-Ig **1 Publications**



## Basic Information

<b>Catalog Number:</b> 68724-1-Ig	<b>GenBank Accession Number:</b> BC034961	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 5168	<b>CloneNo.:</b> 2A10D9
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q13822	<b>Recommended Dilutions:</b> WB 1:1000-1:4000
<b>Isotype:</b> IgG2a	<b>Full Name:</b> ectonucleotide pyrophosphatase/phosphodiesterase 2	
<b>Immunogen Catalog Number:</b> AG5499	<b>Calculated MW:</b> 99 kDa	
	<b>Observed MW:</b> 100-110 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : pig brain tissue, HuH-7 cells, U-87 MG cells, rabbit brain tissue, rat brain tissue, mouse brain tissue
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> human, mouse, rat, pig, rabbit	
<b>Cited Species:</b> rat	

## Background Information

ENPP2, Autotaxin or Extracellular lysophospholipase D, is a 863 amino acid secreted protein, which is detected in blood plasma (at protein level) (PubMed:12176993, PubMed:26371182). ENPP2 is Predominantly expressed in brain, placenta, ovary, and small intestine. ENPP2 is expressed in a number of carcinomas such as hepatocellular and prostate carcinoma, neuroblastoma and non-small-cell lung cancer. ENPP2 is expressed in body fluids such as plasma, cerebral spinal fluid (CSF), saliva, follicular and amniotic fluids. The calculated molecular weight of ENPP2 is about 100 kDa (PMID: 22301782), but modified ENPP2 is 120 kDa (PMID: 19808661). ENPP2 Hydrolyzes lysophospholipids to produce the signaling molecule lysophosphatidic acid (LPA) in extracellular fluids (PubMed:15769751, PubMed:26371182, PubMed:27754931).

## Notable Publications

Author	Pubmed ID	Journal	Application
Anfal F Bin Dayel	39403839	J Pharm Pharmacol	WB

## Storage

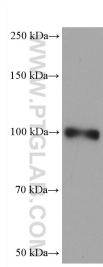
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

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

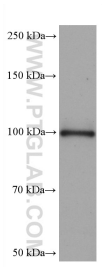
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
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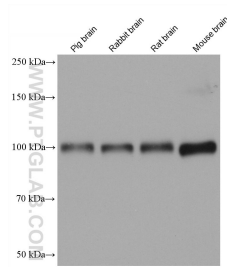
## Selected Validation Data



HuH-7 cells were subjected to SDS PAGE followed by western blot with 68724-1-Ig (ENPP2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



U-87 MG cells were subjected to SDS PAGE followed by western blot with 68724-1-Ig (ENPP2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 68724-1-Ig (ENPP2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.