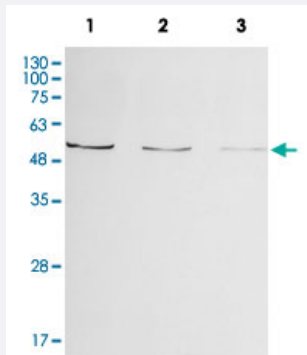


Enpp2 polyclonal antibody

Catalog # PAB8520 Size 25 ug

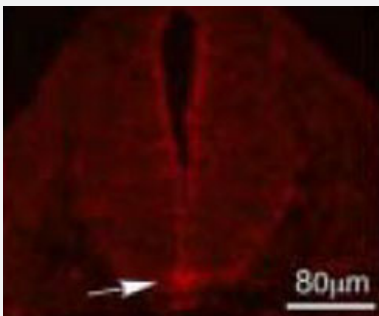
Applications

Western Blot (Tissue lysate)



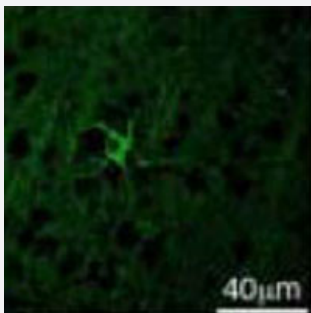
Western blot analysis of Enpp2 from zebrafish embryo lysate by Enpp2 polyclonal antibody (Cat # PAB8520) (1:500, 4°C, overnight). Instead of a predicted 93.6 KDa band, we detected a ~50KDa single band from shield stage of wild type embryos (lane 1) on a 12% SDS-PAGE, and this band can be efficiently knockdown by Enpp2 morpholino oligonucleotides (lane 2 and 3). This phenomenon is probably due to a cleavage of endogenous Enpp2 under reducing condition of SDS-PAGE as previously reported in human and mice. (Journal of Biochemistry, 283(12):7776-7789)

(By courtesy of Shih-Lei Lai¹ and Shyh-Jye Lee¹⁻⁴; ¹Institute of Zoology, ²Department of Life Science, ³Center for Biotechnology, ⁴Research Center for Developmental Biology and Regenerative Medicine, National Taiwan University)



Immunofluorescence

Immunofluorescence analysis of mouse spinal cord, using Enpp2 polyclonal antibody (Cat # PAB8520) .



Immunofluorescence

Immunofluorescence analysis of mouse thalamus, using Enpp2 polyclonal antibody (Cat # PAB8520) .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of Enpp2.
Immunogen	A synthetic peptide corresponding to mouse Enpp2.
Sequence	LKTYLHTYESEI
Host	Rabbit
Reactivity	Mouse
Form	Liquid
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	Immunohistochemistry (0.2-2.0 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.1% proclin, 2.0% Block Ace)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

Western blot analysis of Enpp2 from zebrafish embryo lysate by Enpp2 polyclonal antibody (Cat # PAB8520) (1:500, 4°C, overnight). Instead of a predicted 93.6 KDa band, we detected a ~50KDa single band from shield stage of wild type embryos (lane 1) on a 12% SDS-PAGE, and this band can be efficiently knockdown by Enpp2 morpholino oligonucleotides (lane 2 and 3). This phenomenon is probably due to a cleavage of endogenous Enpp2 under reducing condition of SDS-PAGE as previously reported in human and mice. (Journal of Biochemistry, 283(12):7776-7789)

(By courtesy of Shih-Lei Lai¹ and Shyh-Jye Lee¹⁻⁴, ¹Institute of Zoology, ²Department of Life Science, ³Center for Biotechnology, ⁴Research Center for Developmental Biology and Regenerative Medicine, National Taiwan University)

- Immunofluorescence

Immunofluorescence analysis of mouse spinal cord, using Enpp2 polyclonal antibody (Cat # PAB8520) .

- Immunofluorescence

Immunofluorescence analysis of mouse thalamus, using Enpp2 polyclonal antibody (Cat # PAB8520) .

Gene Info — Enpp2

Entrez GeneID	18606
Gene Name	Enpp2
Gene Alias	ATX, Npps2, PD-lalpha, Pdnp2
Gene Description	ectonucleotide pyrophosphatase/phosphodiesterase 2
Gene Ontology	Hyperlink
Other Designations	autotaxin phosphodiesterase I/nucleotide pyrophosphatase 2

Publication Reference

- [The N-terminal hydrophobic sequence of autotaxin \(ENPP2\) functions as a signal peptide.](#)

Koike S, Keino-Masu K, Ohto T, Masu M.
Genes to Cells 2006 Feb; 11(2):133.

Application: IF, WB-Tr, Human, Monkey, COS-7, HEK 293 cells
- [NPP-type ectophosphodiesterases: unity in diversity.](#)

Stefan C, Jansen S, Bollen M.
Trends in Biochemical Sciences 2005 Oct; 30(10):542.

Application: WB, Human, Human mammalian cells
- [Identification of autotaxin as a neurite retraction-inducing factor of PC12 cells in cerebrospinal fluid and its possible sources.](#)

Sato K, Malchinkhuu E, Muraki T, Ishikawa K, Hayashi K, Tosaka M, Mochiduki A, Inoue K, Tomura H, Mogi C, Nochi H, Tamoto K, Okajima F.
Journal of Neurochemistry 2005 Feb; 92(4):904.

Application: WB, Monkey, Rat, COS-7, Rat neural cells
- [Prostatic acid phosphatase degrades lysophosphatidic acid in seminal plasma.](#)

Tanaka M, Kishi Y, Takanezawa Y, Kakehi Y, Aoki J, Arai H.
FEBS Letters 2004 Jul; 571(1-3):197.

Application: WB, Human, Human biological fluids