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ENPP6 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP5216c

Specification

ENPP6 Antibody (Center) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	Q6UWR7
Other Accession	B0BND0, Q58D68, Q8BGN3
Reactivity	**Human, Mouse**
Predicted	**Pig, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit Ig**
Calculated MW	**50241**
Antigen Region	**170-197**

ENPP6 Antibody (Center) - Additional Information

Gene ID 133121

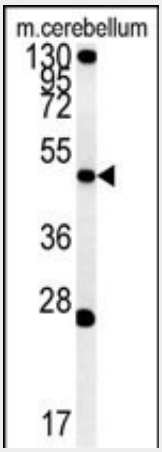
Other Names
Ectonucleotide pyrophosphatase/phosphodiesterase family member 6, E-NPP 6, NPP-6, 314-, Choline-specific glycerophosphodiester phosphodiesterase, Glycerophosphocholine cholinephosphodiesterase, GPC-Cpde, ENPP6

Target/Specificity
This ENPP6 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 170-197 amino acids from the Central region of human ENPP6.

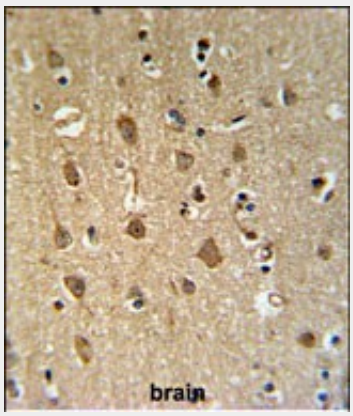
Dilution
WB~~1:1000
IHC-P~~1:50~100

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2



Western blot analysis of ENPP6 Antibody (Center) (Cat. #AP5216c) in mouse cerebellum tissue lysates (35ug/lane).ENPP6 (arrow) was detected using the purified Pab.



ENPP6 Antibody (Center) (Cat. #AP5216c) IHC analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the ENPP6 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

ENPP6 Antibody (Center) - Background

ENPP6 is choline-specific glycerophosphodiester phosphodiesterase.

weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
ENPP6 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

ENPP6 Antibody (Center) - Protein Information

Name ENPP6 (HGNC:23409)

Function
Choline-specific glycerophosphodiesterase that hydrolyzes glycerophosphocholine (GPC) and lysophosphatidylcholine (LPC) and contributes to supplying choline to the cells (PubMed:15788404). Has a preference for LPC with short (12:0 and 14:0) or polyunsaturated (18:2 and 20:4) fatty acids. In vitro, hydrolyzes only choline-containing lysophospholipids, such as sphingosylphosphorylcholine (SPC), platelet- activating factor (PAF) and lysoPAF, but not other lysophospholipids (By similarity).

Cellular Location
Cell membrane; Lipid-anchor, GPI-anchor. Note=A small amount of the protein may be found in the extracellular milieu

Tissue Location
Predominantly expressed in kidney and brain. In the kidney, expressed specifically in the proximal tubules and thin descending limbs of Henle (at protein level)

This protein hydrolyzes the classical substrate for phospholipase C, p-nitrophenyl phosphorylcholine, while it does not hydrolyze the classical nucleotide phosphodiesterase substrate, p-nitrophenyl thymidine 5'-monophosphate.

ENPP6 Antibody (Center) - References

Sakagami, H., et al. J. Biol. Chem. 280(24):23084-23093(2005)
Clark, H.F., et al. Genome Res. 13(10):2265-2270(2003)

ENPP6 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety

- Cell Culture