

Datasheet for ABIN453640

anti-ENPP2 antibody (Middle Region)[Go to Product page](#)**1** Image

Overview

Quantity:	200 µL
Target:	ENPP2
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ENPP2 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide selected from the Center region of human ENPP2
Specificity:	This antibody reacts to Autotaxin.
Purification:	Affinity chromatography on Protein A

Target Details

Target:	ENPP2
Alternative Name:	Autotaxin / ENPP2
Background:	ENPP2 functions as both a phosphodiesterase, which cleaves phosphodiester bonds at the 5' end of oligonucleotides, and a phospholipase, which catalyzes production of lysophosphatidic acid (LPA) in extracellular fluids. LPA evokes growth factor-like responses including stimulation of cell proliferation and chemotaxis. This protein stimulates the motility of tumor cells and has

Target Details

angiogenic properties, and its expression is upregulated in several kinds of carcinomas. The protein is secreted and further processed to make the biologically active form. Synonyms: ATX, E-NPP 2, ENPP2, Ectonucleotide pyrophosphatase/phosphodiesterase family member 2, Extracellular lysophospholipase D, PDNP2

Gene ID: 5168

NCBI Accession: [NP_001035181](#)

UniProt: [Q13822](#)

Application Details

Application Notes: ELISA: 1/1,000. Western blotting: 1/100 - 1/500.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.25 mg/mL

Buffer: PBS with 0.09 % (W/V) sodium azide

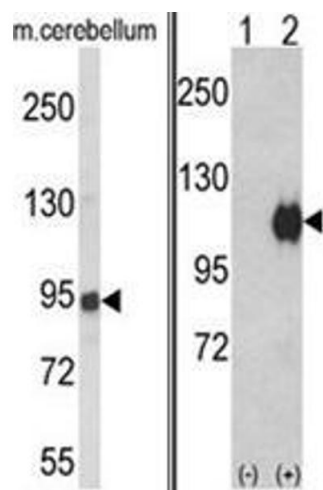
Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Western Blotting

Image 1. (LEFT) Western blot analysis of ENPP2 Antibody (Center) in mouse cerebellum tissue lysates (35ug/lane). ENPP2 (arrow) was detected using the purified Pab. (RIGHT) Western blot analysis of ENPP2 (arrow) using rabbit polyclonal ENPP2 Antibody (Center) . 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the ENPP2 gene (Lane 2) (Origene Technologies).