

ENPP2 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP2854D

Product Information

Application	FC, WB, E
Primary Accession	Q13822
Reactivity	Human, Rat, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB18117
Antigen Region	377-406

Additional Information

Other Names	Ectonucleotide pyrophosphatase/phosphodiesterase family member 2, E-NPP 2, Autotaxin, Extracellular lysophospholipase D, LysoPLD, ENPP2, ATX, PDNP2
Target/Specificity	This ENPP2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 377-406 amino acids from the Central region of human ENPP2.
Dilution	FC~~1:10~50 WB~~1:1000 E~~Use at an assay dependent concentration.
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 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	ENPP2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

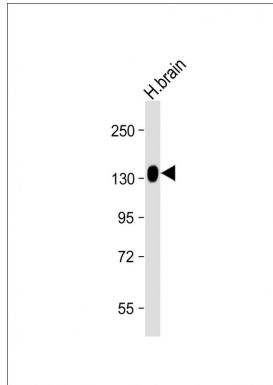
Background

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 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.

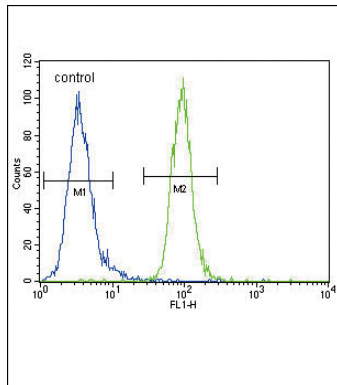
References

Kawagoe H., Soma O., Goji J., Nishimura N., Narita M., Genomics 30:380-384(1995)
Nam S.W., Clair T., Kim Y.S., McMarlin A., Cancer Res. 61:6938-6944(2001)
The MGC Project Team Genome Res. 14:2121-2127(2004)

Images



Anti-ENPP2 Antibody (Center) at 1:2000 dilution + Human brain lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 99 kDa
Blocking/Dilution buffer: 5% NFDN/TBST.



ENPP2 Antibody (Center) (Cat. #AP2854d) flow cytometric analysis of MDA-MB435 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.