

Rabbit ENPP2 Polyclonal Antibody | anti-ENPP2 antibody

ENPP2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA75842	Rabbit	Human, Monkey, Mouse, Rat	Western Blot, Immunoprecipitation, Immunohistochemistry, ELISA, Dot Blot

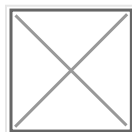
PRODUCT SYNONYMS

ENPP2; Polyclonal Antibody; ENPP2 Antibody; ATX; ATX X; Autotaxin; Autotaxin t; Ectonucleotide pyrophosphatase/phosphodiesterase 2; Enpp2; Extracellular lysophospholipase D; FLJ26803; LysoPLD; NPP2; PD IALPHA; PDNP2; Phosphodiesterase I alpha; Plasma lysophospholipase D antibody; anti-ENPP2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Monkey, Mouse, Rat
Clonality	Polyclonal
Form/Format	Affinity Purified Immunoglobulins
Concentration	0.75mg/ml IgG in antibody stabilization buffer (varies by lot)
Sequence Length	818
Applicable Applications for anti-ENPP2 antibody	WB (Western Blot), IP (Immunoprecipitation), IHC (Immunohistochemistry), ELISA, DB (Dot Blot)
Immunogen	Synthetic peptide taken within amino acid region 778-818 on human Ectonucleotide pyrophosphatase/phosphodiesterase 2 (autotaxin) protein.
Expression	Predominantly expressed in brain, placenta, ovary, and small intestine. Expressed in a number of carcinomas such as hepatocellular and prostate carcinoma, neuroblastoma and non-small-cell lung cancer. Expressed in body fluids such as plasma, cerebral spinal fluid (CSF), saliva, follicular and amniotic fluids. Not detected in leukocytes. Isoform 1 is more highly expressed in peripheral tissues than in the central nervous system (CNS). Adipocytes only express isoform 1. Isoform 3 is more highly expressed in the brain than in peripheral tissues.
Determinant	C-epitope
Molecular Function	alkylglycerophosphoethanolamine phosphodiesterase activity; calcium ion binding; hydrolase activity; lysophospholipase activity; nucleic acid binding; nucleotide diphosphatase activity; phosphodiesterase I activity; polysaccharide binding; scavenger receptor activity; transcription factor binding; zinc ion binding
Structure	Belongs to the nucleotide pyrophosphatase/phosphodiesterase family. Contains 2 SMB (somatomedin-B) domains.
Subcellular Location	Secreted
Preparation and Storage	-20• degree C for long term storage

IMAGES



WB (Western Blot)

ADDITIONAL INFORMATION

Related Product Information for anti-ENPP2 antibody	Affinity Purified ectonucleotide pyrophosphatase/phosphodiesterase 2 (Autotaxin) Antibody C-epitope Hydrolyzes lysophospholipids to produce lysophosphatidic acid (LPA) in extracellular fluids. Major substrate is lysophosphatidylcholine. Also can act on sphingosylphosphorylcholine producing sphingosine-1-phosphate, a modulator of cell motility. Can hydrolyze, in vitro, bis-pNPP, to some extent pNP-TMP, and barely ATP. Involved in several motility-related processes such as angiogenesis and neurite outgrowth. Acts as an angiogenic factor by stimulating migration of smooth muscle cells and microtubule formation. Stimulates migration of melanoma cells, probably via a pertussis toxin-sensitive G protein. May have a role in induction of parturition. Possible involvement in cell proliferation and adipose tissue development. Tumor cell motility-stimulating factor.
Product Categories/Family for anti-ENPP2 antibody	Primary Antibodies; Cell Biology; Lipids; ENPP2 Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	119612394
NCBI GeneID	5168
Molecular Weight	101,968 Da
NCBI Official Full Name	ectonucleotide pyrophosphatase/phosphodiesterase 2 (autotaxin), isoform CRA_c
NCBI Official Synonym Full Names	ectonucleotide pyrophosphatase/phosphodiesterase 2
NCBI Official Symbol	ENPP2
NCBI Official Synonym Symbols	ATX; NPP2; ATX-X; PDNP2; LysoPLD; AUTOTAXIN; PD-IALPHA
NCBI Protein Information	ectonucleotide pyrophosphatase/phosphodiesterase family member 2
UniProt Protein Name	Ectonucleotide pyrophosphatase/phosphodiesterase family member 2
UniProt Gene Name	ENPP2
UniProt Synonym Gene Names	ATX; PDNP2; E-NPP 2; LysoPLD
UniProt Entry Name	ENPP2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.