

AP05178PU-N**Polyclonal Antibody to Autotaxin / ENPP2 - Purified**

Alternate names:	ATX, E-NPP 2, ENPP2, Ectonucleotide pyrophosphatase/phosphodiesterase family member 2, Extracellular lysophospholipase D, PDNP2
Quantity:	0.1 mg
Concentration:	Lot specific
Background:	Autotaxin (ATX), a tumor cell motility- stimulating protein is an ecto/exo-enzyme with significant homology to the plasma cell membrane differentiation antigen PC-1. ATX is a 99kDa core protein and may run as a 125-kDa glycoprotein when isolated from the human melanoma cell line (A2058). ATX, like PC-1 can hydrolyze the type I phosphodiesterase substrate p-nitrophenyl thymidine-5'-monophosphate. Autotaxin has a novel motilityregulating function for this class of ecto/exo-enzymes.
Uniprot ID:	Q13822
NCBI:	NP_001035181.1
GeneID:	5168
Host / Isotype:	Rabbit / IgG
Immunogen:	Synthetic peptide derived from the autotaxin protein
Format:	State: Liquid purified Ig Buffer System: Phosphate buffered saline with 0.08% sodium azide
Applications:	Western Blot: 5 - 10 µg/ml. Enzyme Immunoassay. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody reacts to Autotaxin. Species: Human. Other species not tested.
Storage:	The antibody can be shipped at ambient temperature. Store (in aliquots) at -20°C only. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Murata J, Lee HY, Clair T, Krutzsch HC, Arestad AA, Sobel ME, et al. cDNA cloning of the human tumor motility-stimulating protein, autotaxin, reveals a homology with phosphodiesterases. J Biol Chem. 1994 Dec 2;269(48):30479-84. PubMed PMID: 7982964. 2. Lee HY, Murata J, Clair T, Polymeropoulos MH, Torres R, Manrow RE, et al. Cloning, chromosomal localization, and tissue expression of autotaxin from human teratocarcinoma cells. Biochem Biophys Res Commun. 1996 Jan 26;218(3):714-9. PubMed PMID: 8579579. 3. Kawagoe H, Soma O, Goji J, Nishimura N, Narita M, Inazawa J, et al. Molecular cloning and chromosomal assignment of the human brain-type phosphodiesterase I/nucleotide pyrophosphatase gene (PDNP2). Genomics. 1995 Nov 20;30(2):380-4.

PubMed PMID: 8586446.

4. Strausberg RL, Feingold EA, Grouse LH, Derge JG, Klausner RD, Collins FS, et al. Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences. Proc Natl Acad Sci U S A. 2002 Dec 24;99(26):16899-903. Epub 2002 Dec 11. PubMed PMID: 12477932.

Pictures:

Western blot analysis using autotaxin antibody on human brain lysate.

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