Human ENPP2 Antibody Pair Set

Catalog No. E-KAB-0421 **Applications** ELISA

Synonyms ATX;ATX X;Autotaxin;Autotaxin t;ENPP2;E-NPP2;Ectonucleotide pyrophosphatase/phosphodiesterase 2;Ectonucleotide pyrophosphatase/phosphodiesterase family member 2;Enpp2;Extracellular lysophospholipase D;FLJ26803;LysoPLD;NPP2;PD IALPHA;PDNP2;Phosphodiesteras

Kit components & Storage

Title	Specifications	Storage
Human ENPP2 Capture Antibody	1 vial, 100 μ g	Store at -20℃ for one year. Avoid freeze/thaw cycles.
Human ENPP2 Detection Antibody (Biotin)	1 vial, 50 μL	Store at -20℃ for one year. Avoid freeze/thaw cycles.

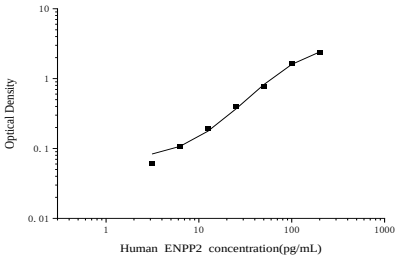
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0421)	
		Human ENPP2 Capture Antibody	Human ENPP2 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human ENPP2 protien	Recombinant Human ENPP2 protien
	Swissprot	Q13822	
Product details	Reactivity	Human	Human
	Host	Goat	Goat
	Conjugation	Unconjugated	Biotin
	Concentration	0.5 mg/mL	/
	Buffer	PBS with 0.04% Proclin 300; 50% glycerol; pH 7.5	PBS with 0.04% Proclin 300; 1% protective protein; 50% glycerol; pH 7.5
	Purify	Antigen Affinity	Antigen Affinity
	Specificity	Detects Human ENPP2 in ELISAs.	

Applications

Human ENPP2 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4 μg/mL	Human ENPP2 Capture Antibody	
ELISA Detection	1:1000-1:10000	Human ENPP2 Detection Antibody (Biotin)	

Note: This standard curve is only for demonstration purposes. A standard curve should be generated for each assay!

Background

The protein encoded by this gene functions as both a phosphodiesterase , which cleaves phosphodiester bonds at the 5&apos , 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 gene product stimulates the motility of tumor cells and has angiogenic properties , and its expression is upregulated in several kinds of carcinomas. The gene product is secreted and further processed to make the biologically active form. Several alternatively spliced transcript variants encoding different isoforms have been identified.