

Human patatin-like phospholipase domain containing 2 ELISA Kit | PNPLA2 elisa kit

Human Adipose Triglyceride Lipase, ATGL ELISA Kit

CATALOG #
AAA79676

REACTIVITY
Human

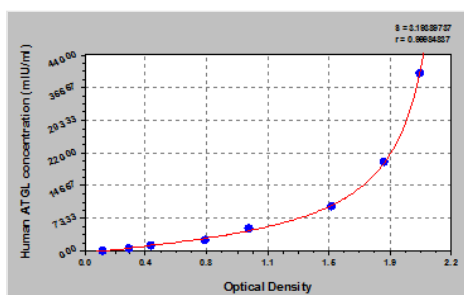
PRODUCT SYNONYMS

patatin-like phospholipase domain containing 2; Human Adipose Triglyceride Lipase; ATGL ELISA Kit; ATGL ELISA kit; 1110001C14Rik; ATGL; DESNUTRIN; DKFZp667M109; FP17548; PEDF-R; TTS-2.2; TTS2; adipose triglyceride lipase; pigment epithelium-derived factor; transport-secretion protein 2.2; triglyceride hydrolase; PNPLA2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human ATGL. No significant cross-reactivity or interference between human ATGL and analogues was observed.
Sequence Length	504
Samples	Serum, urine, tissue homogenates
Assay Type	Quantitative Sandwich
Detection Range	6.25 mIU/ml-400 mIU/ml
Sensitivity	< 1.56 mIU/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PNPLA2 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for ATGL has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ATGL present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ATGL is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of ATGL bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	32698724
NCBI GeneID	57104
NCBI Accession #	NP_065109.1
NCBI GenBank Nucleotide #	NM_020376.3
UniProt Accession #	Q96AD5; O60643; Q5EFF5; Q6XYE5; Q96ET6; Q9NQ61; Q9NQ62
Molecular Weight	55,316 Da
NCBI Official Full Name	patatin-like phospholipase domain-containing protein 2
NCBI Official Synonym Full Names	patatin-like phospholipase domain containing 2
NCBI Official Symbol	PNPLA2
NCBI Official Synonym Symbols	ATGL; TTS2; PEDF-R; FP17548; TTS-2.2; IPLA2zeta; 1110001C14Rik
NCBI Protein Information	patatin-like phospholipase domain-containing protein 2; TTS2.2; desnutrin; IPLA2-zeta; triglyceride hydrolase; adipose triglyceride lipase; transport-secretion protein 2.2; pigment epithelium-derived factor; calcium-independent phospholipase A2; patatin-like phospholipase domain containing protein 2
UniProt Protein Name	Patatin-like phospholipase domain-containing protein 2
UniProt Gene Name	PNPLA2
UniProt Synonym Gene Names	ATGL; FP17548; TTS2
UniProt Entry Name	PLPL2_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.

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Online datasheet: <https://stage.aaabiotech.com/pnpla2-human-elisa-kits/patatin-like-phospholipase-domain-containing-2/79676>