

Human Patatin-Like Phospholipase Domain-Containing Protein 3 (PNPLA3/ADPN/C22orf20) ELISA Kit | PNPLA3 elisa kit

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CATALOG # AAA331378	REACTIVITY Human
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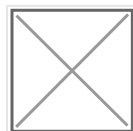
PRODUCT SYNONYMS

Patatin-Like Phospholipase Domain-Containing Protein 3 (PNPLA3/ADPN/C22orf20); Human Patatin-Like Phospholipase Domain-Containing Protein 3 (PNPLA3/ADPN/C22orf20) ELISA Kit; PNPLA3; RP4-79617.1; ADPN; C22orf20; iPLA(2)epsilon; adiponutrin; PNPLA3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Patatin-like phospholipase domain-containing protein 3 (PNPLA3/ADPN/C22orf20) ELISA Kit has high sensitivity and excellent specificity for detection of Human PNPLA3. No significant cross-reactivity or interference between Human PNPLA3 and analogues was observed.
Sequence Length	481
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	<ul style="list-style-type: none"> * Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Patatin-like phospholipase domain-containing protein 3 (PNPLA3/ADPN/C22orf20) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PNPLA3 elisa kit	<p>Description: This Human Patatin-like phospholipase domain-containing protein 3 (PNPLA3/ADPN/C22orf20) ELISA Kit employs a two-site sandwich ELISA to quantitate PNPLA3 in samples. An antibody specific for PNPLA3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PNPLA3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PNPLA3 is added to the wells. After washing, Streptavidin 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 PNPLA3 bound in the initial step. The color development is stopped and the intensity of the color is measured.</p> <p>Background: PNPLA3 is a triacylglycerol lipase that mediates triacylglycerol hydrolysis in adipocytes. The encoded protein, which appears to be membrane bound, may be involved in the balance of energy usage/storage in adipocytes. The glucose-induced increase in Adpn expression could be countered by agents known to raise intracellular cAMP. In vivo, Adpn mRNA was high in white and brown adipose tissue from fed mice, but it dropped to barely detectable levels after 19 hours of fast. Refeeding for 8 hours reversed the drop in Adpn mRNA. Fas and Srebp1c mRNA exhibited a similar pattern of expression. Just after a feeding period, Zucker fa/fa obese rats showed 30- to 50-fold elevation of Adpn mRNA relative to congenic lean controls.</p>
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NCBI AND UNIPROT INFORMATION

NCBI GI #	17196626
NCBI GeneID	80339
NCBI Accession #	NP_079501.2
NCBI GenBank Nucleotide #	NP_079501.2
UniProt Accession #	Q9NST1
NCBI Official Full Name	1-acylglycerol-3-phosphate O-acyltransferase PNPLA3
NCBI Official Synonym Full Names	patatin like phospholipase domain containing 3
NCBI Official Symbol	PNPLA3
NCBI Official Synonym Symbols	ADPN; C22orf20; iPLA(2)epsilon
NCBI Protein Information	1-acylglycerol-3-phosphate O-acyltransferase PNPLA3
UniProt Protein Name	Patatin-like phospholipase domain-containing protein 3
UniProt Gene Name	PNPLA3
UniProt Synonym Gene Names	ADPN; C22orf20; iPLA2-epsilon
UniProt Entry Name	PLPL3_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/human-elisa-kits/patatin-like-phospholipase-domain-containing-protein-3-pnpla3-adpn-c22orf20/331378>