

## Product datasheet for **AP08794PU-N**

### Adipose Triglyceride Lipase (PNPLA2) Goat Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC
Recommended Dilution:	<b>ELISA:</b> 1/32000. <b>Immunohistochemistry on Paraffin Sections:</b> 2.5 µg/ml.
Reactivity:	Human, Mouse, Rat, Bovine, Equine, Goat, Hamster, Monkey
Host:	Goat
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide (C-NIIEVSKEARKR) from an internal region of Mouse PNPLA2.
Specificity:	Recognizes Patatin-Like Phospholipase Domain Containing 2 (PNPLA2).
Formulation:	Tris saline buffer, pH 7.3 containing 0.5% BSA as stabilizer and 0.02% Sodium Azide as preservative. State: Aff - Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Purification:	Immunoaffinity Chromatography.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	patatin like phospholipase domain containing 2
Database Link:	<a href="#">Entrez Gene 57104 Human Q96AD5</a>



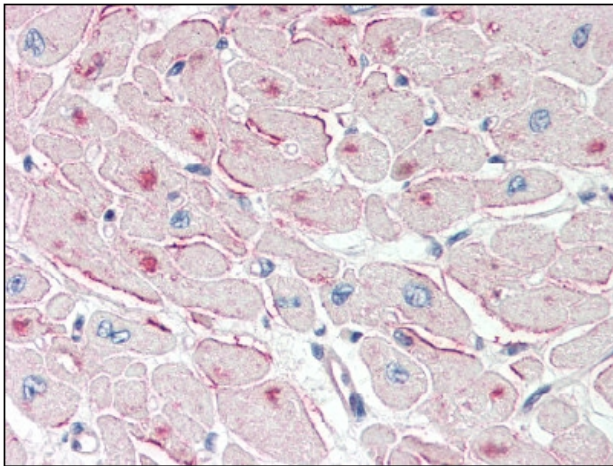
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**Background:**

Adipose triglyceride lipase (ATGL) may function as a lipase and play a role in the adaptive response to a low energy state, such as fasting, by providing fatty acids to other tissues for oxidation. In addition, decreased expression of desnutrin in obesity models suggests its possible contribution to the pathophysiology of obesity. ATGL catalyzes the initial step in triglyceride hydrolysis in mammalian adipose tissue. ATGL contains a patatin domain common to plant acyl hydrolases. ATGL is highly expressed in adipose tissue of mice and humans. It exhibits high substrate specificity for triacylglycerol and is associated with lipid droplets. Inhibition of ATGL markedly decreases total adipose acyl hydrolase activity. Thus, ATGL and HSL coordinately catabolize stored triglycerides in adipose tissue of mammals

**Synonyms:**

FP17548, Desnutrin, TTS2.2, IPLA2-zeta

**Product images:**

at 2.5 ug/ml, staining PNPLA2 in Heart tissue by Immunohistochemistry (Formalin-Fixed Paraffin-Embedded).