



## Goat anti-ATGL / Desnutrin Antibody

<b>Item Number</b>	dAP-1025
<b>Target Molecule</b>	Principle Name: ATGL / Desnutrin; Official Symbol: PNPLA2; All Names and Symbols: ATGL; DESNUTRIN; PNPLA2; patatin-like phospholipase domain containing 2; 1110001C14Rik; DKFZp667M109; FP17548; PEDF-R; TTS-2.2; TTS2; adipose triglyceride lipase; pigment epithelium-derived factor; transport-secretion protein 2.2; triglyceride hydrolase; Accession Number (s): NP_065109.1; Human Gene ID(s): 57104; Non-Human GeneID(s):
<b>Immunogen</b>	NIIEVSKEARKR, is from internal region Please note this antibody was designed using the Mouse sequence NP_080078.1, which differs by 2 amino acids from the Human sequence NP_065109.1.
<b>Applications</b>	Pep ELISA, WB, IHC  Species Tested: Human
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Supplied As</b>	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
<b>Peptide ELISA</b>	Peptide ELISA: antibody detection limit dilution 1 to 32000.
<b>Western Blot</b>	Western Blot: Approx 60kDa band observed in Human Adipose lysates (calculated MW of 55.3kDa according to NP_065109.1). Recommended concentration: 0.5-2µg/ml.
<b>IHC</b>	Immunohistochemistry: In paraffin embedded Human Heart shows intense staining of distinct spots in the myocardial fibres in transverse section. Recommended concentration: 2-3µg/ml.
<b>Reference</b>	Reference(s): Schoenborn V, Heid IM, Vollmert C, Lingenhel A, Adams TD, Hopkins PN, Illig T, Zimmermann R, Zechner R, Hunt SC, Kronenberg F. The ATGL gene is associated with free fatty acids, triglycerides, and type 2 diabetes. Diabetes. 2006 May;55(5):1270-5. PMID: 16644682 ->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**