

Goat anti-PNPLA3 / Adiponutrin Antibody

Item Number	dAP-1378
Target Molecule	Principle Name: PNPLA3 / Adiponutrin; Official Symbol: PNPLA3; All Names and Symbols: Pnpla3; patatin-like phospholipase domain containing 3; Adpn; adiponutrin; Accession Number (s): NP_473429.2; Human Gene ID(s): 80339; Non-Human GeneID(s): 116939 (mouse) 362972 (rat)
Immunogen	EHDICPKVKSTN, is from internal region This antibody is raised against a peptide derived from the Mouse protein sequence and this peptide differs from Human only in position 2.
Applications	Pep ELISA, WB, IHC Species Tested: Human, Mouse, Rat
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	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.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 128000.
Western Blot	Western Blot: Approx 45kDa band observed in Mouse Heart lysates and in Mouse and Rat Adrenal gland lysates (calculated MW of 42.6kDa according to Mouse NP_473429.2 and 47.1kDa according to Rat NP_001269253.1). Recommended concentration: 0.01-0.03µg/ml.
IHC	Immunohistochemistry: In paraffin embedded Human Skin shows membranous staining of basak kayer cells. Recommended concentration: 4-6µg/ml.
Reference	Reference(s): Steinberg GR, Kemp BE, Watt MJ. Adipocyte triglyceride lipase expression in human obesity. Am J Physiol Endocrinol Metab. 2007 Oct;293(4):E958-64. Epub 2007 Jul 3..PMID: 17609260 ->

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**