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**Research Use Only. Not for
diagnostic or therapeutic use.**

EB08403 - Goat Anti-PNPLA2 / Desnutrin Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: PNPLA2, desnutrin, patatin-like phospholipase domain containing 2, 1110001C14Rik, ATGL, DKFZp667M109, FP17548, PEDF-R, TTS-2.2, TTS2, adipose triglyceride lipase, pigment epithelium-derived factor, transport-secretion protein 2.2, triglyceride hydrolase

Official Symbol: PNPLA2

Accession Number(s): NP_065109.1

Human GeneID(s): [57104](#)

Immunogen

Peptide with sequence C-HFNSKDELIQAN, from the internal region of the protein sequence according to NP_065109.1.

Please note the [peptide](#) is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 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.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:128000.

Western blot: Approx 60kDa band observed in Human Heart lysates (calculated MW of 55.3kDa according to NP_065109.1). Recommended concentration: 0.03-0.1µg/ml. Primary incubation was 1 hour. This antibody has been successfully used in WB on Mouse, PMID: 29175050.

Immunofluorescence: This antibody has been successfully used in IF on Human in the following papers, PMID: 33160079.

Species Reactivity

Tested: Human, Mouse

Expected from sequence similarity: Human, Mouse, Rat, Cow

Specific References

This antibody has been successfully used in IF on Human:

Anne Gemmink, Sabine Daemen, Bram Brouwers, Joris Hoeks, Gert Schaart, Kèvin Knoops, Patrick Schrauwen, Matthijs K C Hesselink

Decoration of myocellular lipid droplets with perilipins as a marker for in vivo lipid droplet dynamics: A super-resolution microscopy study in trained athletes and insulin resistant individuals

Biochim Biophys Acta Mol Cell Biol Lipids. 2020 Nov 4;1866(2):158852.

PMID: 33160079

This antibody has been successfully used in WB on Mouse:

Ramseyer VD, Kimler VA, Granneman JG.

Vacuolar protein sorting 13C is

a novel lipid droplet protein that inhibits lipolysis in brownadipocytes.

Mol Metab. 2018 Jan;7:57-70.

EB08403 (0.03µg/ml) staining of Human Heart lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.