

## **International Office**

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# 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.

PMID: 29175050



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