

International Office

Everest Biotech Ltd

Vector Laboratories, Inc. 6737 Mowry Ave Newark, CA 94560 United States

Customer Service:

customerservice@vectorlabs.com

Technical Service:

technical@vectorlabs.com

Tel: +1 (800) 227-6666

www.everestbiotech.com

Research Use Only. Not for diagnostic or therapeutic use.

EB07671 - Goat Anti-ATGL / Desnutrin Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: 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 hydrolaseOfficial Symbol: PNPLA2

Accession Number(s): NP_065109.1

Human GeneID(s): 57104

Non-Human GenelD(s): 66853 (mouse), 361676 (rat)

Important Comments: Pease 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.

Immunogen

Peptide with sequence C-NIIEVSKEARKR, 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 1:32000.

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. Primary incubation was 1 hour. Preliminary testing was unsuccessful on Rat Testis for this particular batch.

IHC: In paraffin embedded Human Heart shows intense staining of distinct spots in the myocardial fibres in transverse section. Recommended concentration: 2-3µg/ml.

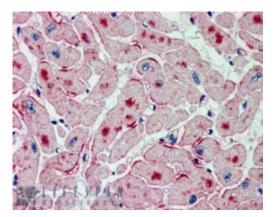
Species Reactivity

Tested: Human

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



EB07671 (0.5μg/ml) staining of Human Adipose lysate (35μg protein in RIPA buffer). Detected by chemiluminescence.



EB07671 (2.5 μ g/ml) staining of paraffin embedded Human Heart. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.