

UK Office

Everest Biotech Ltd
Cherwell Innovation Centre
77 Heyford Park
Upper Heyford
Oxfordshire
OX25 5HD
UK

Enquiries:

info@everestbiotech.com

Sales:

sales@everestbiotech.com

Tech support:

support@everestbiotech.com

Tel: +44 (0)1869 238326

www.everestbiotech.com

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

EB07728 - Goat Anti-Perilipin (C Terminus) Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: Plin, perilipin, PER1, lipid droplet-associated protein

Official Symbol: PLIN

Accession Number(s): NP_002657.2

Human GeneID(s): [5346](#)

Non-Human GeneID(s): 25629 (rat)

Immunogen

Peptide with sequence C-EPILGRAQYSQRKK, from the C Terminus of the protein sequence according to NP_002657.2.

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 55-60kDa band observed in Human Adipose lysate (calculated MW of 56.0kDa according to NP_002657.2). Recommended concentration: 0.01-0.03 µg/ml. Primary incubation 1 hour at room temperature.

IHC: Paraffin embedded Human Colon. Recommended concentration: 4µg/ml.

Immunofluorescence: Small lipid droplets preferentially stained in the periphery of differentiated 3T3-L1 adipocytes. Recommended concentration: 1ug/ml.

Species Reactivity

Tested: Human, Mouse

Expected from sequence similarity: Human, Rat, Dog

Specific Reference

This antibody has been successfully used in IHC and IF on Mouse:

Lee YH, Petkova AP, Konkar AA, Granneman JG.

Cellular origins of cold-induced brown adipocytes in adult mice.

FASEB J. 2015 Jan;29(1):286-99.

PMID: 25392270

EB07728 (0.01µg/ml) staining of Human Adipose lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB07728 (4µg/ml) staining of paraffin embedded Human Colon. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

EB07728 staining of differentiated 3T3-L1 adipocytes. Data kindly provided by Prof. J. Granneman, Detroit, USA.