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

EB07728 - Goat Anti-Perilipin 1 (C Terminus) Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: Plin, perilipin, PER1, lipid droplet-associated protein, PLIN1, Perilipin1, Perilipin 1

Official Symbol: PLIN1

Accession Number(s): NP_002657.3

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

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

Immunogen

Peptide with sequence C-EPILGRAQYSQLRKK, from the C Terminus of the protein sequence according to NP_002657.3.

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 1:64000.

Western blot: Approx 55kDa band observed in Human Breast and Breast cancer lysates, and in lysates of cell line Jurkat (calculated MW of 56.0kDa according to NP_002657.3). Recommended concentration: 0.5-2µg/ml. Primary incubation 1 hour at room temperature.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human, Rat, Dog

Specific References

This antibody (previous batch) has been successfully used in IHC on Mouse:

Rayanne B Burl, Elizabeth Ann Rondini, Hongguang Wei, Roger Pique-Regi, James G Granneman

Deconstructing cold-induced brown adipocyte neogenesis in mice.

Elife. 2022 Jul18;11:e80167.doi:10.7554/eLife.80167.

PMID: 35848799

This antibody (previous batch) has been successfully used in IF on Human:

Emilio P.Mottillo, Huamei Zhang, Alexander Yang, Li Zhou, James G.Granneman

Genetically-encoded sensors to detect fatty acid production and trafficking

Molecular Metabolism, Vol 29, Nov. 2019, <https://doi.org/10.1016/j.molmet.2019.08.012>

PMID: 31668392

This antibody (previous batch) 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 (2µg/ml) staining of Human Breast (A) and (1ug/ml) Breast cancer (B) lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB07728 (1µg/ml) staining of Jurkat cell lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.