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Research Use Only. Not for diagnostic or therapeutic use.

Storage: For long-term storage keep aliquots at -20°C. (Store no longer than 12 months at 4°C). Minimize freezing and thawing.

EB07661 - Goat Anti-DGAT2 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: diacylglycerol O-acyltransferase-like protein 2 isoform 1, diacylglycerol O-acyltransferase homolog 2, GS1999full, HMFN1045, DKFZp686A15125, diacylglycerol O-acyltransferase homolog 2 (mouse), DGAT2

Official Symbol: DGAT2

Accession Number(s): NP_115953.2

Human GeneID(s): [84649](#)

Non-Human GeneID(s): 67800 (mouse), 252900 (rat)

Important Comments: This antibody is not expected to cross-react with other DGAT members.

Immunogen

Peptide with sequence C-KLEHPTQQDIDLYH, from the internal region (near the C Terminus) of the protein sequence according to NP_115953.2.

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 1:128000.

Western blot: In transfected HEK293 transiently expressing DGAT2 bands of approx. 60kDa and 45kDa are observed. These bands are not observed in the non-transfected HEK293. Similar results are observed in Human Liver lysates. The calculated molecular size is 43.8kDa according to NP_115953.2. Recommended concentration, 0.3-1µg/ml.

IHC: In paraffin embedded Human Liver shows granular cytoplasm staining of hepatocytes. Recommended concentration, 3µg/ml.

Enzyme immunoassay: Sandwich-type ELISA with increasing amount of recombinant DGAT2 captured by a rabbit antibody. Recommended reporter concentration: 0.5-1ug/ml

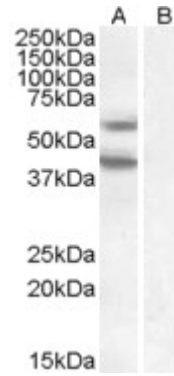
Species Reactivity

Tested: Human

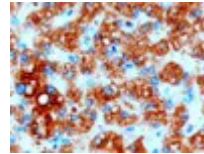
Expected from sequence similarity: Human, Mouse, Rat, Dog



EB07661 (0.5 μ g/ml) staining of Human Liver lysate in the third lane (35 μ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



HEK293 overexpressing DGAT2 (lane A) and probed with EB07661 (mock transfection in lane B).



EB07661 (3 μ g/ml) staining of paraffin embedded Human Liver. Microwaved antigen retrieval with Tris/EDTA buffer pH9, HRP-staining.