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

EB07661 - Goat Anti-DGAT2 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

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

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: Approx 60kDa and 45kDa bands observed in Human Liver lysates (calculated MW of 43.8kDa according to NP_115953.2). Recommended concentration: 0.3-1.0µg/ml. Primary incubation was 1 hour.

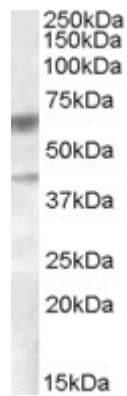
IHC: In paraffin embedded Human Liver shows granular cytoplasm staining of hepatocytes. Recommended concentration: 3µg/ml.

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

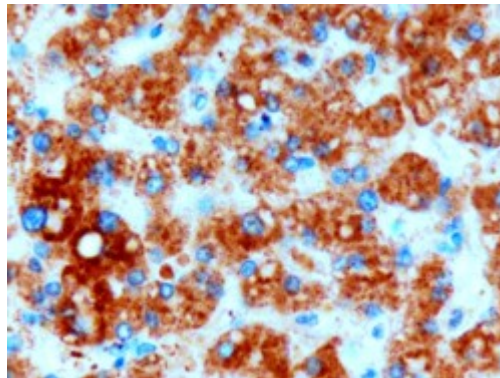
Species Reactivity

Tested: Human

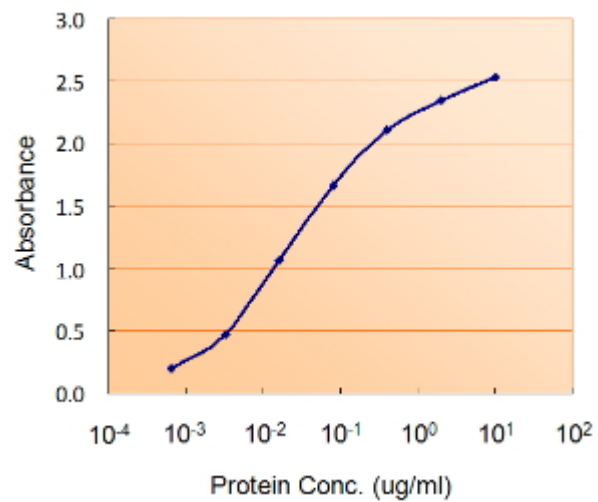
Expected from sequence similarity: Human, Mouse, Rat, Dog



EB07661 (0.5 μ g/ml) staining of Human Liver lysate (35 μ g protein in RIPA buffer). Detected by chemiluminescence.



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



EB07661 (0.5 μ g/ml) as the reporter with EB002016 as the capture rabbit antibody (2.5 μ g/ml).