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

EB05662 - Goat Anti-FACL4 / ACSL4 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: ACSL4, acyl-CoA synthetase long-chain family member 4, FACL4, fatty-acid-Coenzyme A ligase, long-chain 4, ACS4, LACS 4, lignoceroyl-CoA synthase, Fatty acid coenzyme A ligase, long-chain 4, MRX63, LACS4, MRX68, acyl-CoA synthetase 4, long-chain fatty-acid-Coenzyme A ligase 4

Official Symbol: ACSL4

Accession Number(s): NP_004449.1; NP_075266.1

Human GeneID(s): [2182](#)

Non-Human GeneID(s): 50790 (mouse), 113976 (rat)

Important Comments: This antibody is expected to recognise isoform 1 (NP_004449.1) and isoform 2 (NP_075266.1).

Immunogen

Peptide with sequence C-HYLKDIERMYGGK, from the C Terminus of the protein sequence according to NP_004449.1; NP_075266.1.

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 1:128000.

Western blot: Approx 80kDa band observed in lysates of cell line HepG2 (calculated MW of 79.2kDa according to NP_075266.1). Recommended concentration: 0.1-0.3µg/ml.

IHC: Paraffin embedded Human Small Intestine and Brain (Cortex). Recommended concentration: 3.75µg/ml.

Species Reactivity

Tested: Human

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

EB05662 (0.1µg/ml) staining of HepG2 lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour.
Detected by chemiluminescence.

EB05662 (3.75µg/ml) staining of paraffin embedded Human Small Intestine. Steamed antigen retrieval with
citrate buffer pH 6, AP-staining.

EB05662 (3.75µg/ml) staining of paraffin embedded Human Cortex. Steamed antigen retrieval with citrate buffer
pH 6, AP-staining.