

**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.

## EB07250 - Goat Anti-ACSL5 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** long-chain fatty acid coenzyme A ligase 5, long-chain acyl-CoA synthetase 5, fatty-acid-Coenzyme A ligase, long-chain 5, FACL5, ACS5, ACS2, HGNC:16526, acyl-CoA synthetase long-chain family member 5, ACSL5

**Official Symbol:** ACSL5

**Accession Number(s):** NP\_057318.2; NP\_976313.1; NP\_976314.1

**Human GeneID(s):** [51703](#)

**Important Comments:** This antibody is expected to recognise isoform a (NP\_057318.2) and isoform b (NP\_976313.1 and NP\_976314.1).

### Immunogen

Peptide with sequence C-RTQIDSLYEHIQD, from the C Terminus of the protein sequence according to NP\_057318.2; NP\_976313.1; NP\_976314.1.

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 1:16000.

**Western blot:** Approx 75kDa band observed in human spleen lysates (calculated MW of 76.0kDa according to NP\_976313.1 and NP\_976314.1). Recommended concentration: 1-3µg/ml.

### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human

### Background Reference

Obermuller N, Keith M, Kopitz J, Autschbach F, Schirmacher P, Gassler N.

Coeliac disease is associated with impaired expression of acyl-CoA-synthetase 5. Int J Colorectal Dis. 2005 Apr 5; [Epub ahead of print]

**PMID:** 15809837



EB07250 (1 $\mu$ g/ml) staining of human spleen lysate (35 $\mu$ g protein in RIPA buffer). Primary incubation was 1 hour.  
Detected by chemiluminescence.