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# EB12991 - Goat Anti-LCAT (aa366-378) Antibody

Size: 100µg specific antibody in 200µl



### **Target Protein**

 $\textbf{Principal Names:} \ LCAT, \ lecithin-cholesterol\ acyltransferase,\ phosphatidylcholine-sterol\ acyltransferas$ 

Official Symbol: LCAT

Accession Number(s): NP\_000220.1

Human GeneID(s): 3931

Non-Human GenelD(s): 16816 (mouse), 24530 (rat)

acyltransferase, phospholipid-cholesterol acyltransferase

### **Immunogen**

Peptide with sequence C-EDGDDTVATRSTE, from the internal region of the protein sequence according to NP\_000220.1.

Please note the <u>peptide</u> 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 1:1000.

**Western blot:** Approx 55kDa band observed in Human Testis lysates (calculated MW of 49.6kDa according to NP\_000220.1). This molecular weight is routinely observed by other sources. Recommended concentration: 0.3-1μg/ml. Primary incubation 1 hour at room temperature.

IHC: Paraffin embedded Human Liver. Recommended concentration: 5µg/ml.

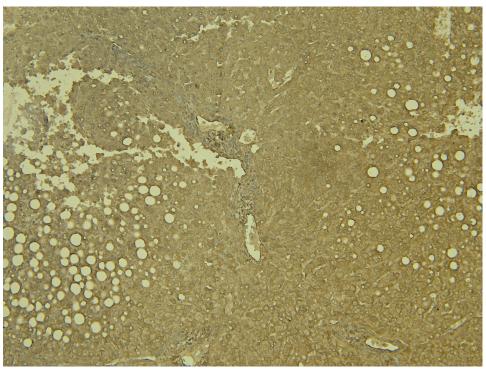
### **Species Reactivity**

Tested: Human

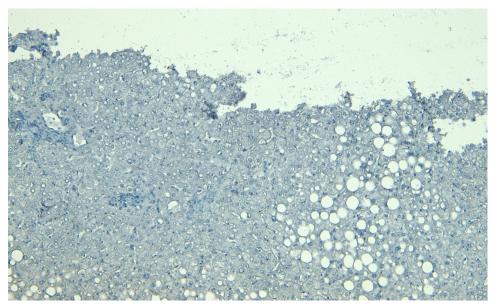
Expected from sequence similarity: Human, Mouse, Rat, Dog, Pig, Cow

250kDa 150kDa 100kDa 75kDa 50kDa 37kDa 25kDa 20kDa

EB12991 (1 $\mu$ g/ml) staining of Human Testes lysate (35 $\mu$ g protein in RIPA buffer). Detected by chemiluminescence.



EB12991 (5μg/ml) staining of paraffin embedded Human Liver. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



EB12991 Negative Control showing staining of paraffin embedded Human Liver, with no primary antibody.