



## International Office

### Everest Biotech Ltd

Vector Laboratories, Inc.  
6737 Mowry Ave  
Newark, CA 94560  
United States

Customer Service:

[customerservice@vectorlabs.com](mailto:customerservice@vectorlabs.com)

Technical Service:

[technical@vectorlabs.com](mailto:technical@vectorlabs.com)

Tel: +1 (800) 227-6666

[www.everestbiotech.com](http://www.everestbiotech.com)

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

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

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** LCAT, lecithin-cholesterol acyltransferase, phosphatidylcholine-sterol acyltransferase, phospholipid-cholesterol acyltransferase

**Official Symbol:** LCAT

**Accession Number(s):** NP\_000220.1

**Human GeneID(s):** [3931](#)

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

### Immunogen

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

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 1:1000.

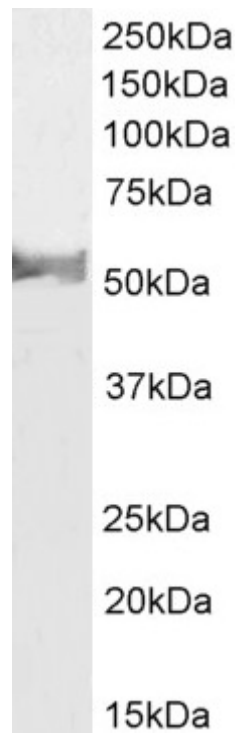
**Western blot:** Approx 55kDa band observed in Human Testis lysates (calculated MW of 49.6kDa according to NP\_000220.1). This molecular weight is routinely observed by other sources. Recommended concentration: 0.3-1µg/ml. Primary incubation 1 hour at room temperature.

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

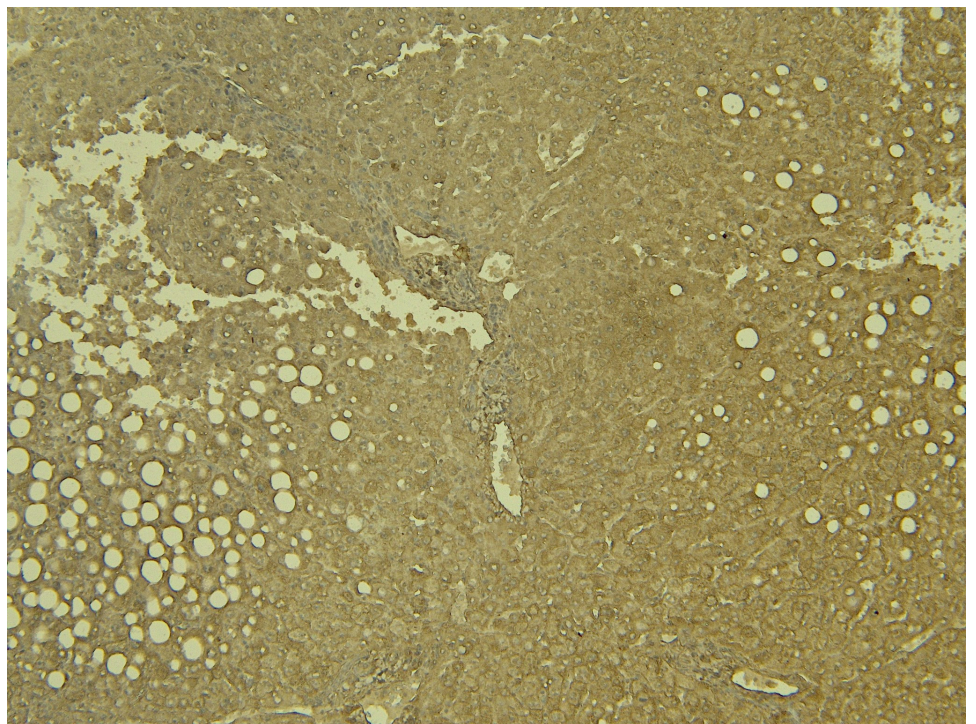
### Species Reactivity

**Tested:** Human

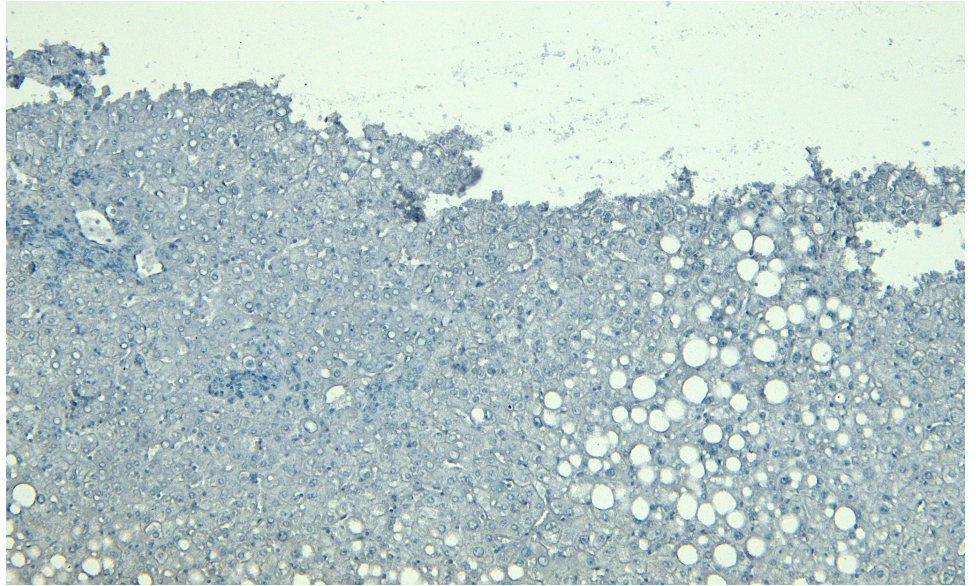
**Expected from sequence similarity:** Human, Mouse, Rat, Dog, Pig, Cow



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



EB12991 (5 $\mu$ g/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.