

## 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.**

## EB06929 - Goat Anti-Clusterin / APOJ Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** APOJ, clusterin, CLU, complement lysis inhibitor, SP-40,40, sulfated glycoprotein 2, testosterone-repressed prostate message 2, apolipoprotein J, HGNC:2095, CLI, MGC24903, SGP-2, SGP2, SP-40, TRPM-2, TRPM2, apolipoprotein J, clusterin, complement-associated protein SP-40, sulfated glycoprotein 2, AAG4, KUB1, aging-associated protein 4, clusterin (complement lysis inhibitor, SP-40,40, sulfated glycoprotein 2, testosterone-repressed prostate message 2, apolipoprotein J)

**Official Symbol:** CLU

**Accession Number(s):** NP\_001822.2; NP\_976084.1

**Human GeneID(s):** [1191](#)

**Important Comments:** This antibody is expected to recognise both reported isoforms (NP\_001822.2 and NP\_976084.1)

### Immunogen

Peptide with sequence C-EKALQEYRKKHREE, from the C Terminus of the protein sequence according to NP\_001822.2; NP\_976084.1.

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 1:64000.

**Western blot:** Approx 35-37kDa band observed in Human Colon and Prostate lysates (calculated MW of 57.8kDa according to NP\_NP\_001822.2 and 52.5 according to NP\_976084.1). The observed molecular weight corresponds to earlier findings in literature (PMID: 9713325 and PMID: 11560857). Recommended concentration: 0.03-0.1µg/ml. Primary incubation was 1 hour.

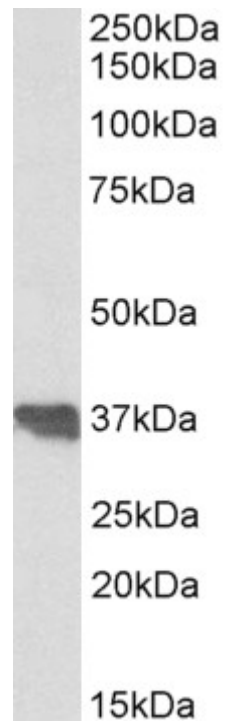
**IHC:** Paraffin embedded Human Tonsil. Recommended concentration: 2.5µg/ml.

**Immunofluorescence:** Strong expression of the protein seen in the cytoplasm of HeLa cells. Recommended concentration: 10µg/ml

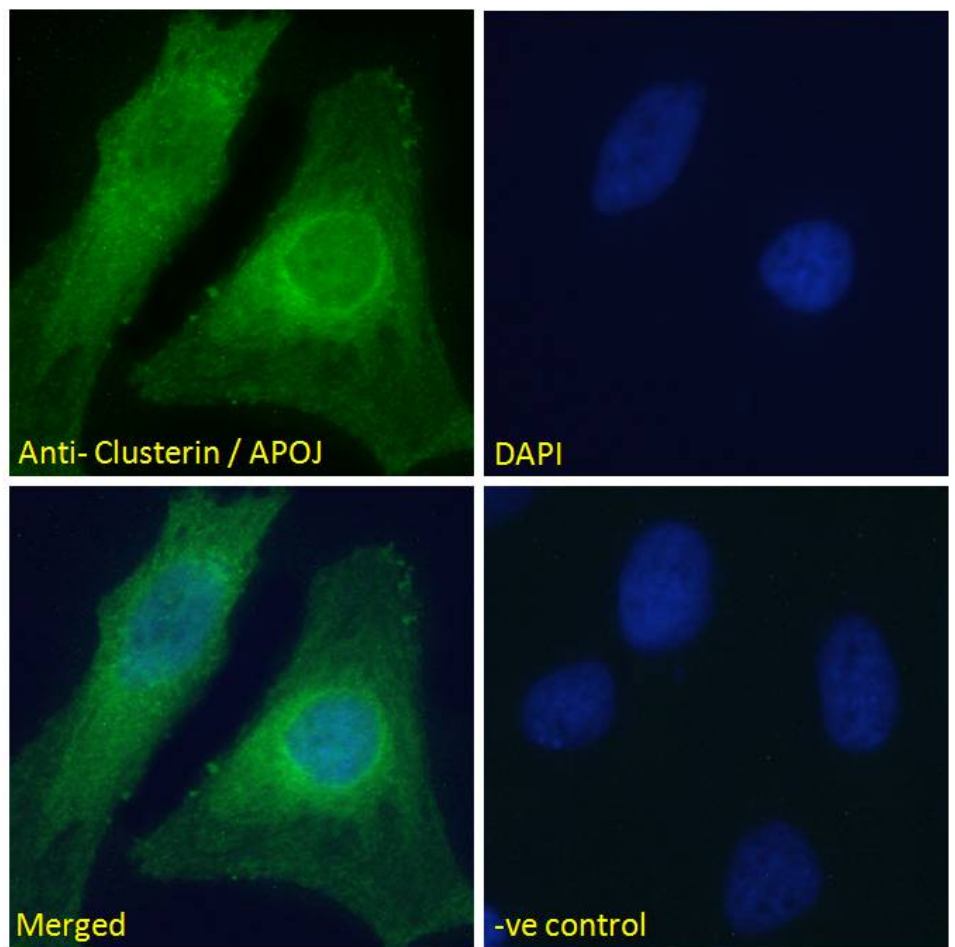
### Species Reactivity

**Tested:** Human

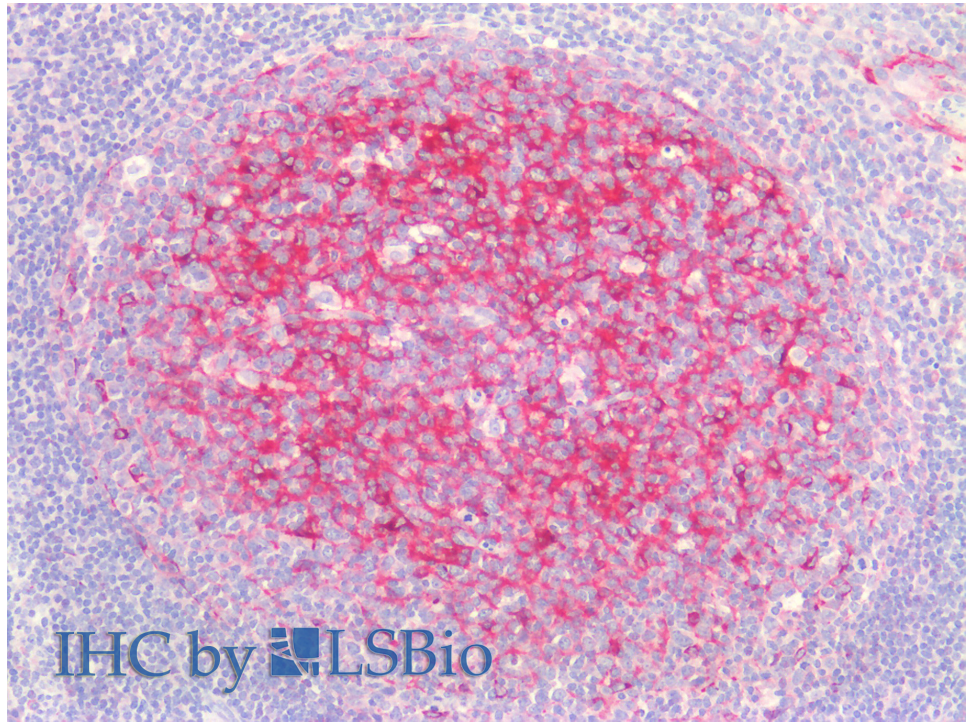
**Expected from sequence similarity:** Human, Dog



EB06929 (0.1µg/ml) staining of Human Colon lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



EB06929 Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing ER/cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB06929 (2.5µg/ml) staining of paraffin embedded Human Tonsil. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.