



## 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.**

## EB06795 - Goat Anti-Arginase I Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** ARG1, arginase, liver, HGNC:663, A-I, arginase, type I, arginase 1, liver-type arginase, type I arginase

**Official Symbol:** ARG1

**Accession Number(s):** NP\_000036.2; NP\_001231367.1; NP\_001355949.1

**Human GeneID(s):** [383](#)

**Non-Human GeneID(s):** 11846 (mouse), 29221 (rat)

**Important Comments:** Please note that ARG1 is not expressed in Human M2 macrophages, but it is in other species (eg rodents).

### Immunogen

Peptide with sequence CFGLAREGNHKPID, from the C Terminus of the protein sequence according to NP\_000036.2; NP\_001231367.1; NP\_001355949.1.

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 1:4000.

**Western blot:** Approx.37kDa band observed in Human Liver lysates (calculated MW of 34.7kDa according to NP\_000036.2) . Recommended concentration: 0.3-1µg/ml. Primary incubation 1 hour at room temperature.

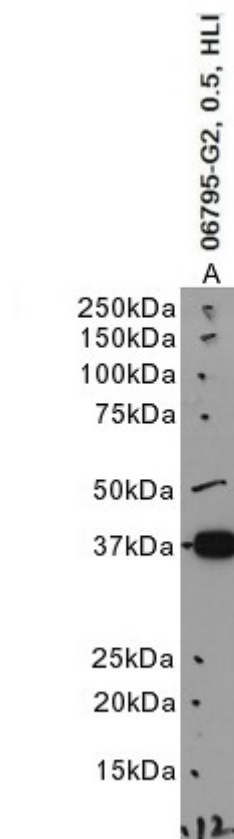
**IHC:** Paraffin embedded Human Liver and Spleen. Recommended concentration: 4-5µg/ml.

**Immunofluorescence:** Strong expression of the protein seen in the cytoplasm of K562 cells. Recommended concentration: 10µg/ml.

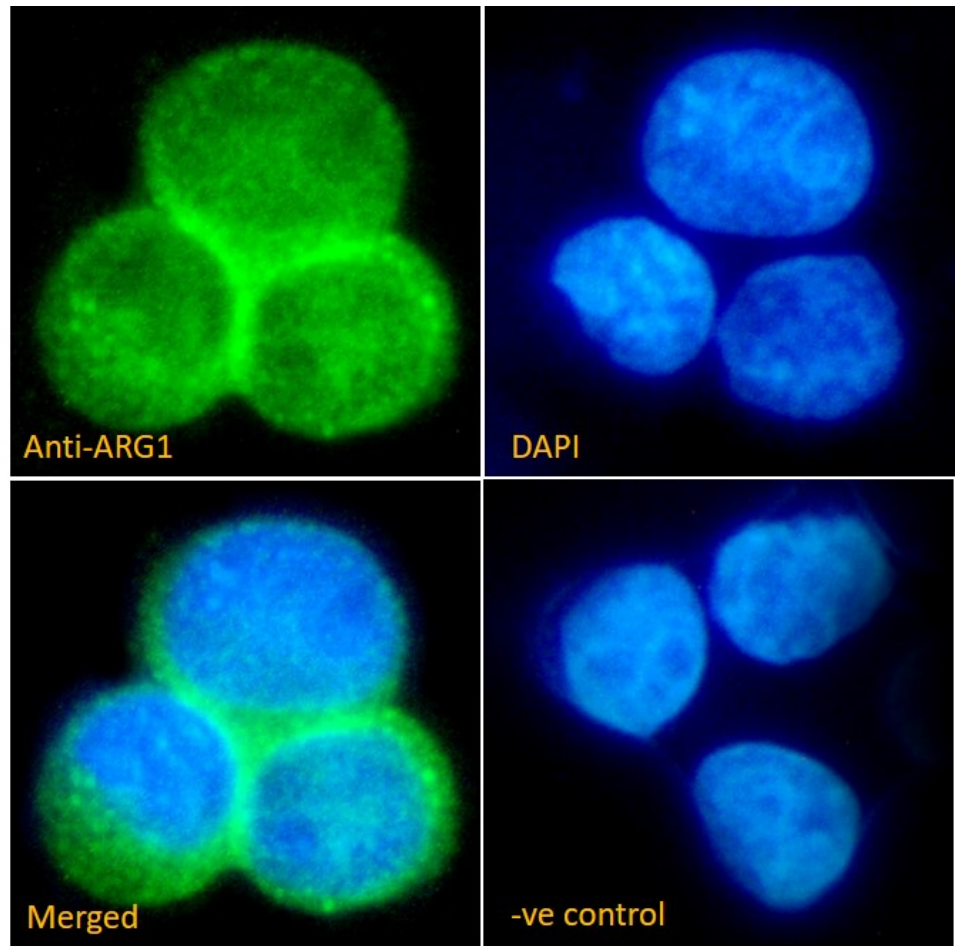
### Species Reactivity

**Tested:** Human

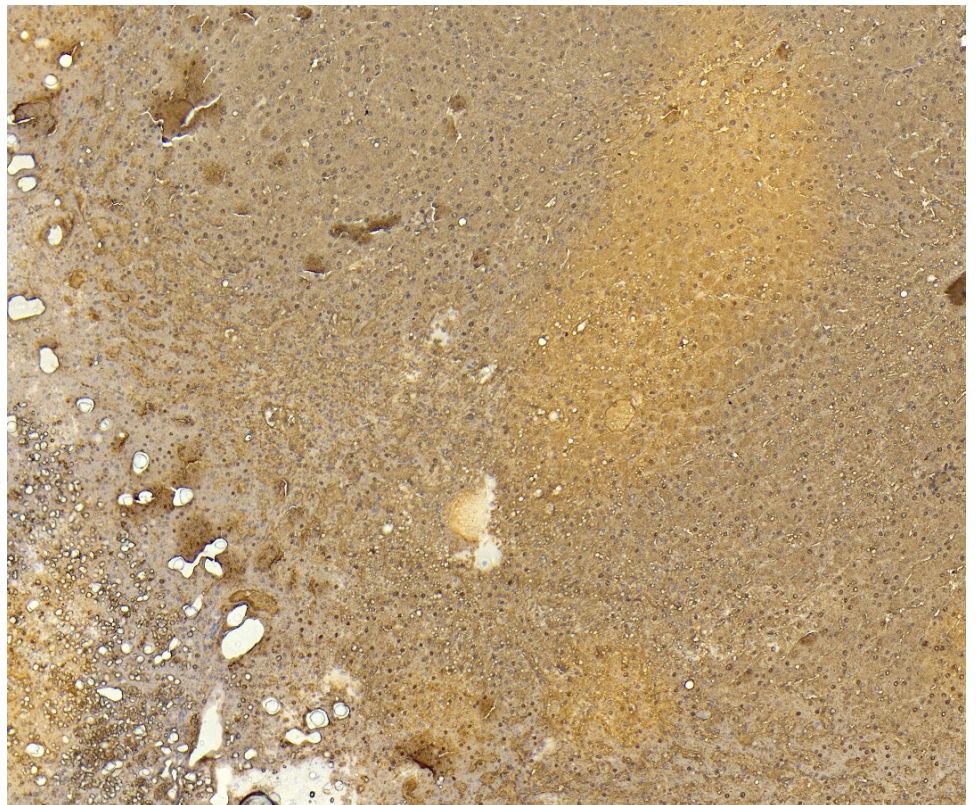
**Expected from sequence similarity:** Human, Dog, Cow, Pig



EB06795 optimised QC. Primary incubation 1 hour at room temperature.  
Image A: Human Liver lysate at primary Ab concentration 0.5ug/ml. (Loaded 35µg protein in RIPA buffer, per lane). Detected by chemiluminescence.

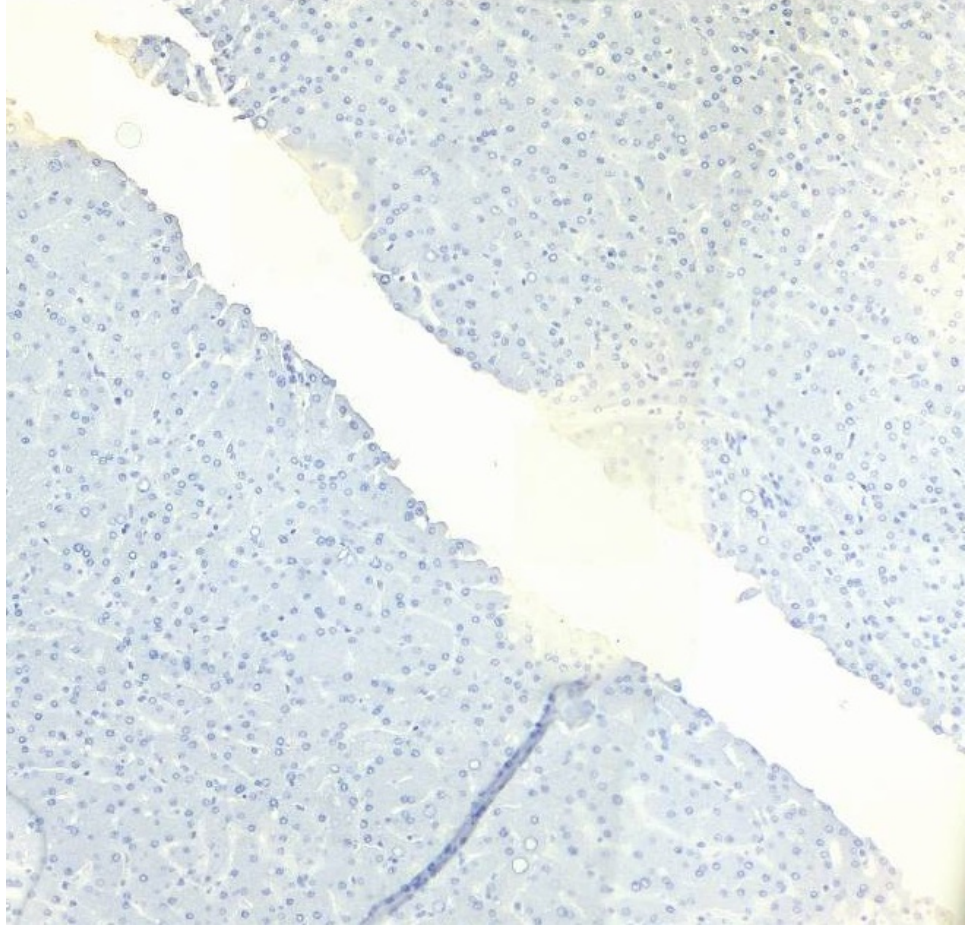


EB06795 Immunofluorescence analysis of paraformaldehyde fixed K562. Primary incubation 1hr (1:50 dilution) followed by Alexa Fluor® 488 secondary antibody (1:2000 dilution), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Anti-Goat IgG followed by Alexa Fluor® 488 secondary antibody.



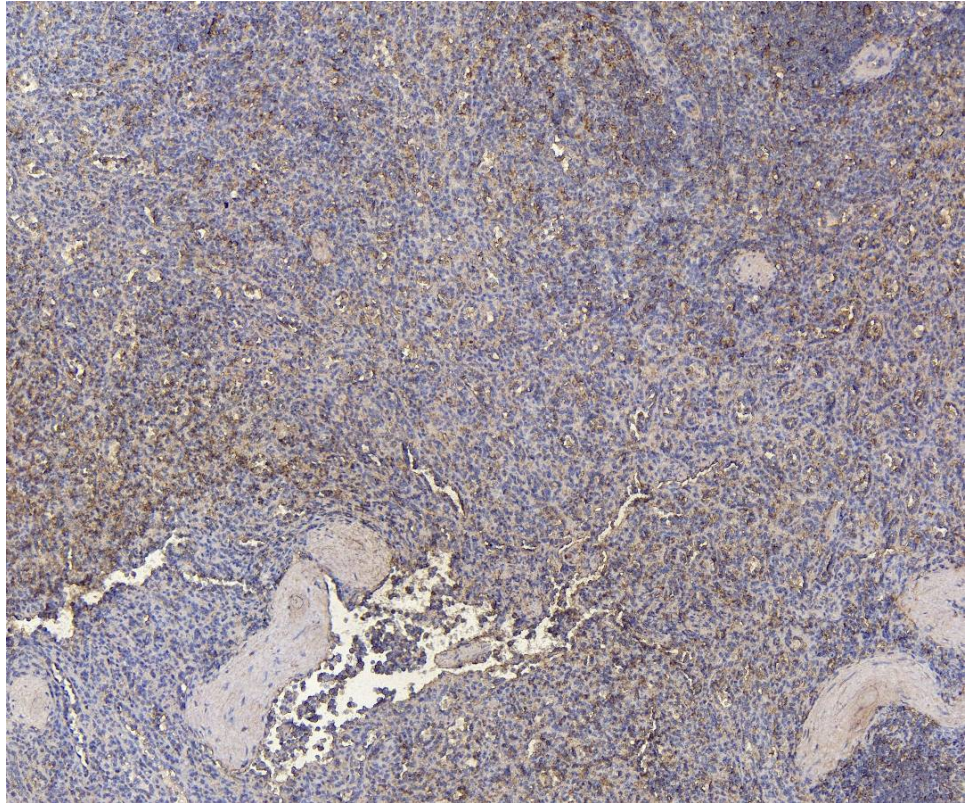


EB06795 (4µg/ml) staining of paraffin embedded Human Liver. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.

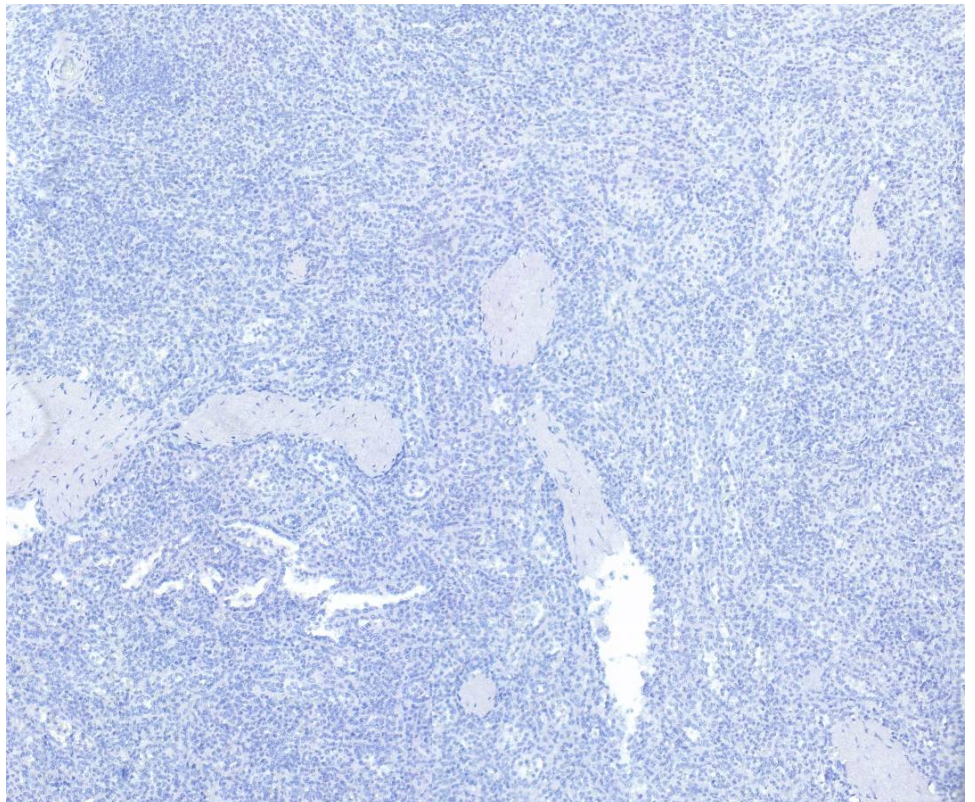


EB06795 Negative Control showing staining of paraffin embedded Human Liver, with no primary antibody.





EB06795 (5 $\mu$ g/ml) staining of paraffin embedded Human Spleen. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



EB06795 Negative Control showing staining of paraffin embedded Human Spleen, with no primary antibody.