



International Office

Everest Biotech Ltd

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

Customer Service:

customerservice@vectorlabs.com

Technical Service:

technical@vectorlabs.com

Tel: +1 (800) 227-6666

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.

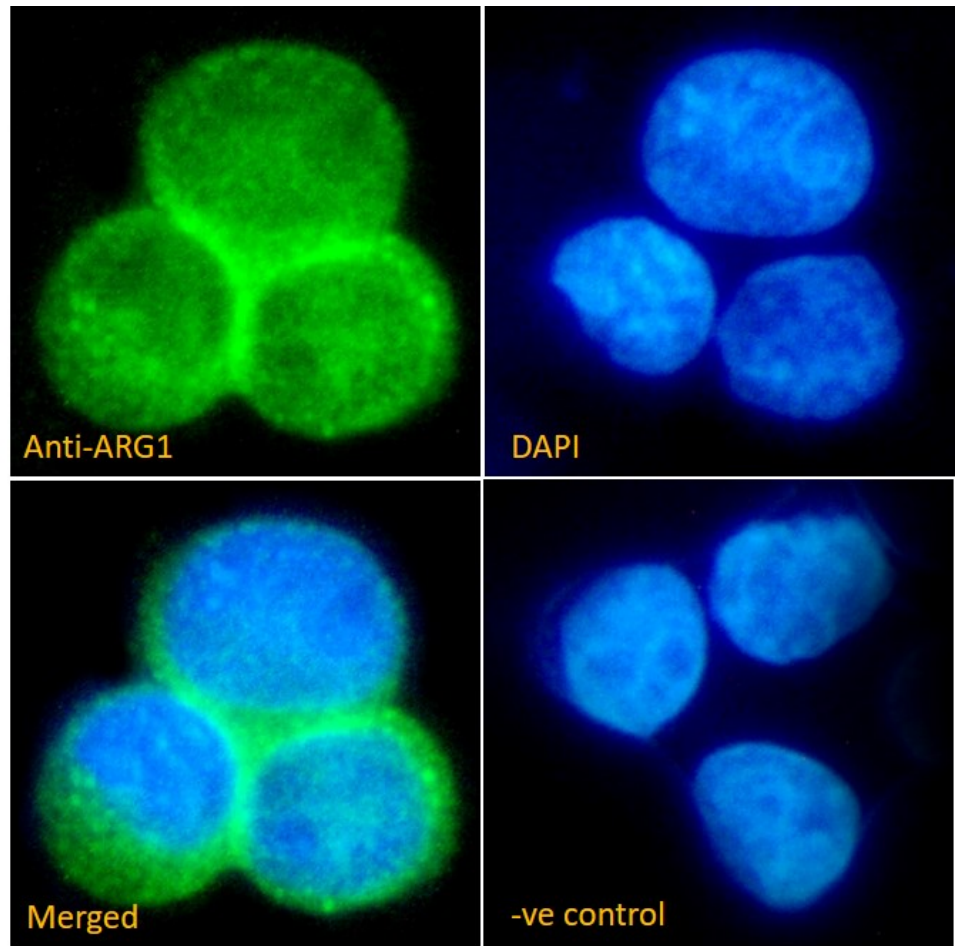
Species Reactivity

Tested: Human

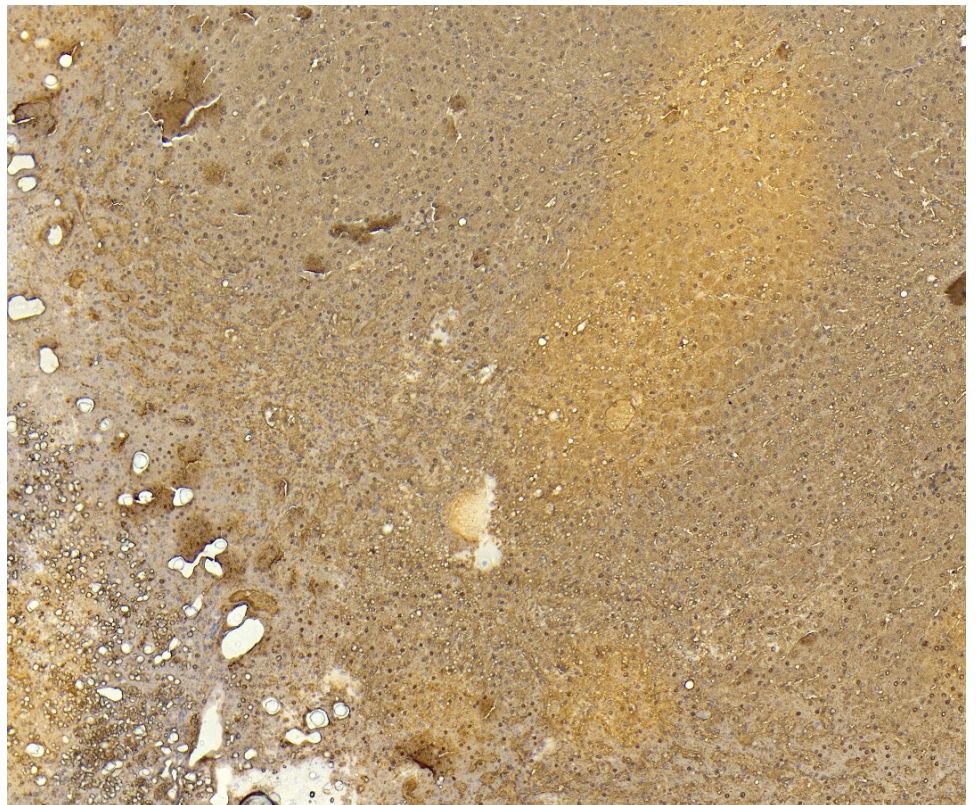
Expected from sequence similarity: Human, Dog, Cow, Pig



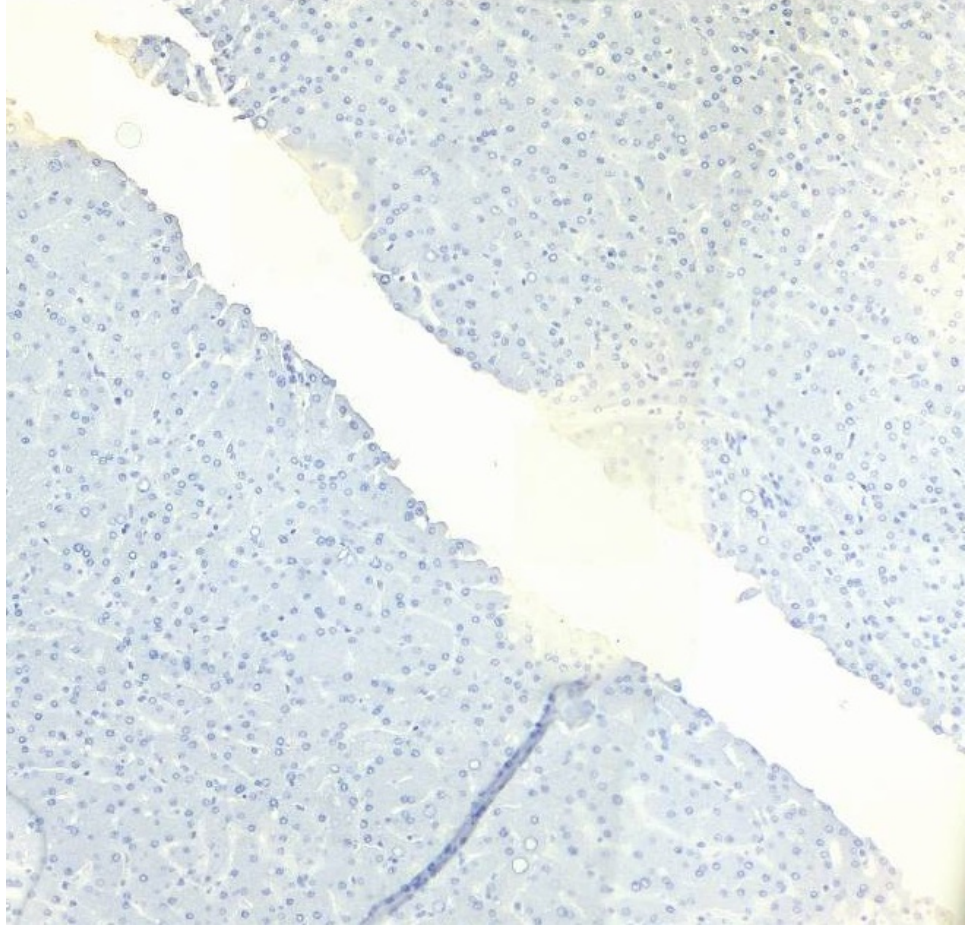
EB06795 optimised QC. Primary incubation 1 hour at room temperature.
Image A: Human Liver lysate at primary Ab concentration 0.5ug/ml. (Loaded 35µg protein in RIPA buffer, per lane). Detected by chemiluminescence.



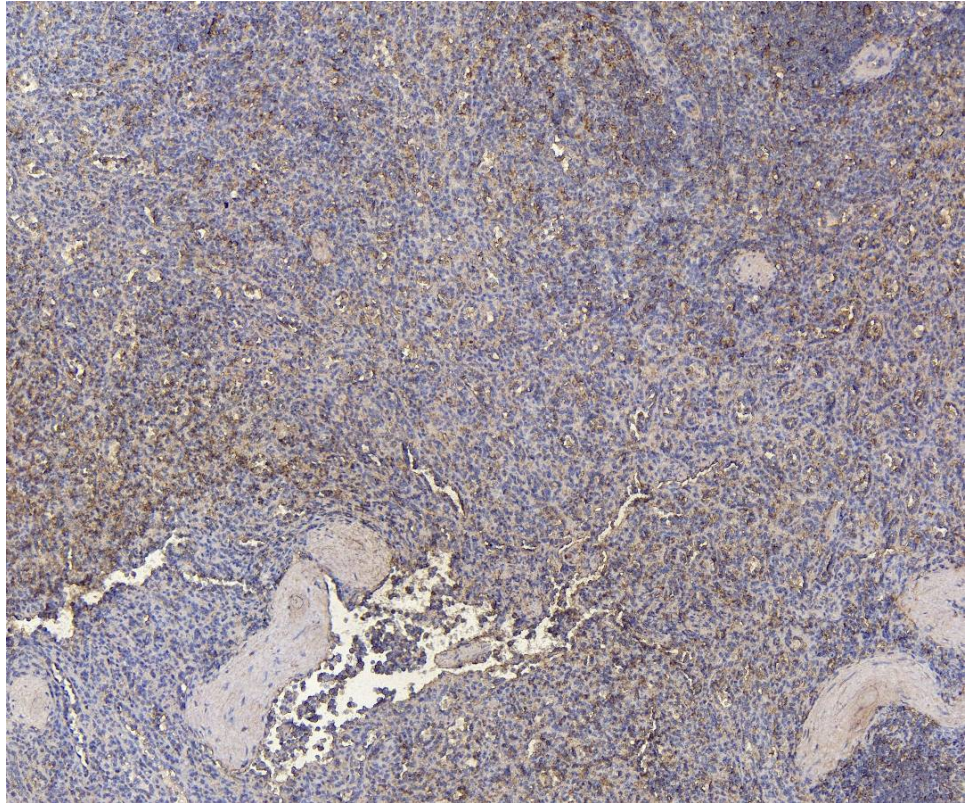
EB06795 Immunofluorescence analysis of paraformaldehyde fixed K562. Primary incubation 1hr (1:50 dilution) followed by Alexa Fluor® 488 secondary antibody (1:2000 dilution), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Anti-Goat IgG followed by Alexa Fluor® 488 secondary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



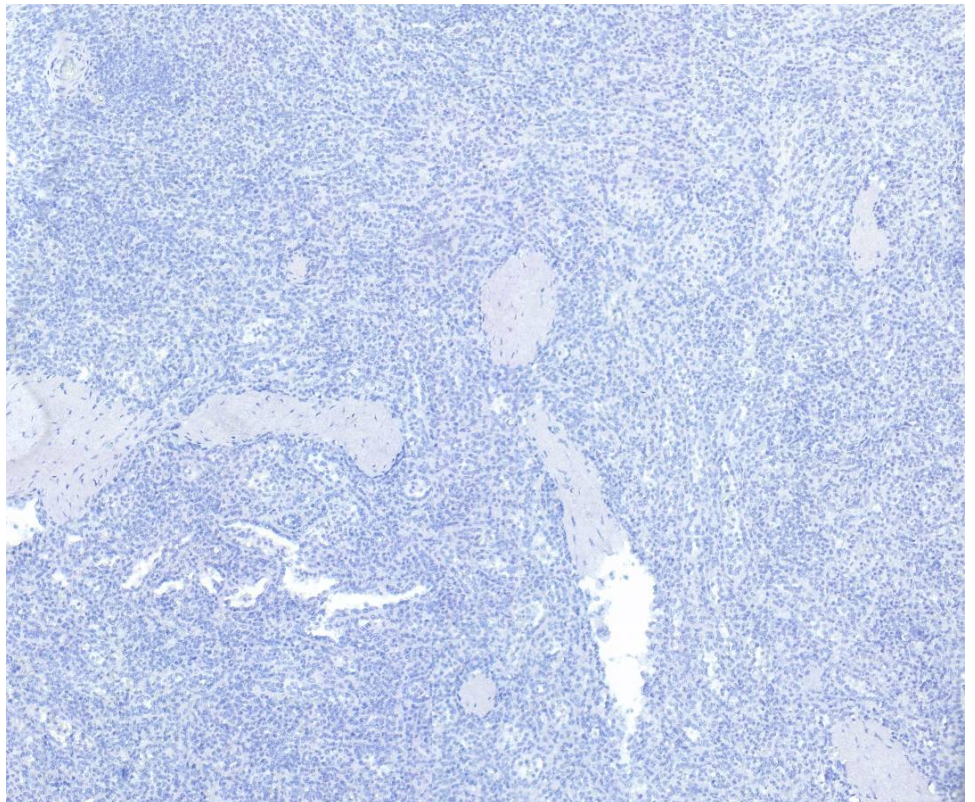
EB06795 (4µg/ml) staining of paraffin embedded Human Liver. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



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



EB06795 (5 μ 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.