



## 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.**

## EB07257 - Goat Anti-AIF1 / IBA1 (isoforms 1 + 3) Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** AIF1, IBA1, allograft inflammatory factor 1, DASS-82G15.2, AIF-1, IRT-1, Em:AF129756.17, interferon gamma responsive transcript, ionized calcium-binding adapter molecule

**Official Symbol:** AIF1

**Accession Number(s):** NP\_116573.1; NP\_001614.3

**Human GeneID(s):** [199](#)

**Important Comments:** This antibody is expected to recognise isoform 1 (NP\_116573.1) and isoform 3 (NP\_001614.3).

### Immunogen

Peptide with sequence C-YEEKAREKEKP, from the C Terminus of the protein sequence according to NP\_116573.1; NP\_001614.3.

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 1:16000.

**IHC:** In paraffin embedded Human Cerebellum shows staining of astrocytes.

Recommended concentration, 2-4µg/ml.

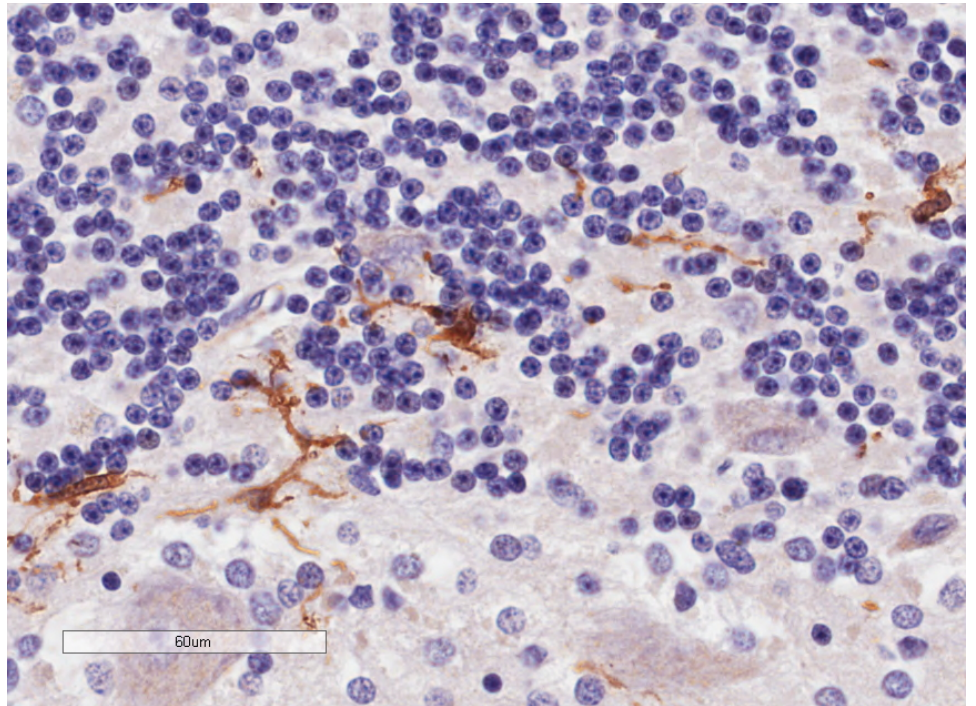
**Flow Cytometry:** Flow cytometric analysis of K562 cells. Recommended concentration: 10ug/ml.

**Immunofluorescence:** Strong expression of the protein seen in the cytoplasm of CaCo-2 cells. Recommended concentration: 10µg/ml.

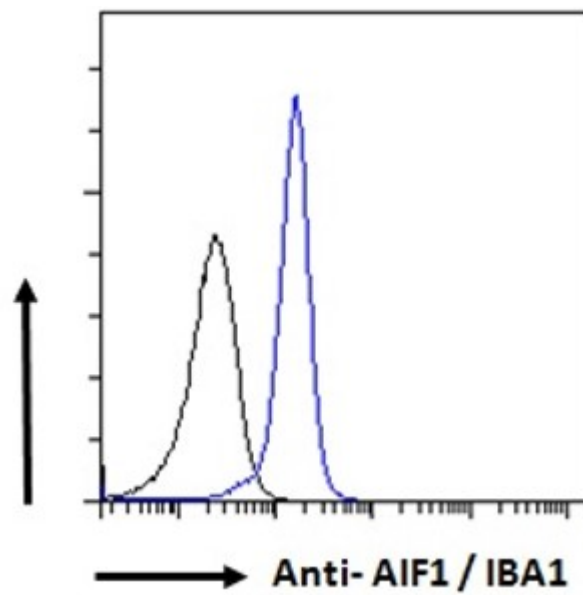
### Species Reactivity

**Tested:** Human

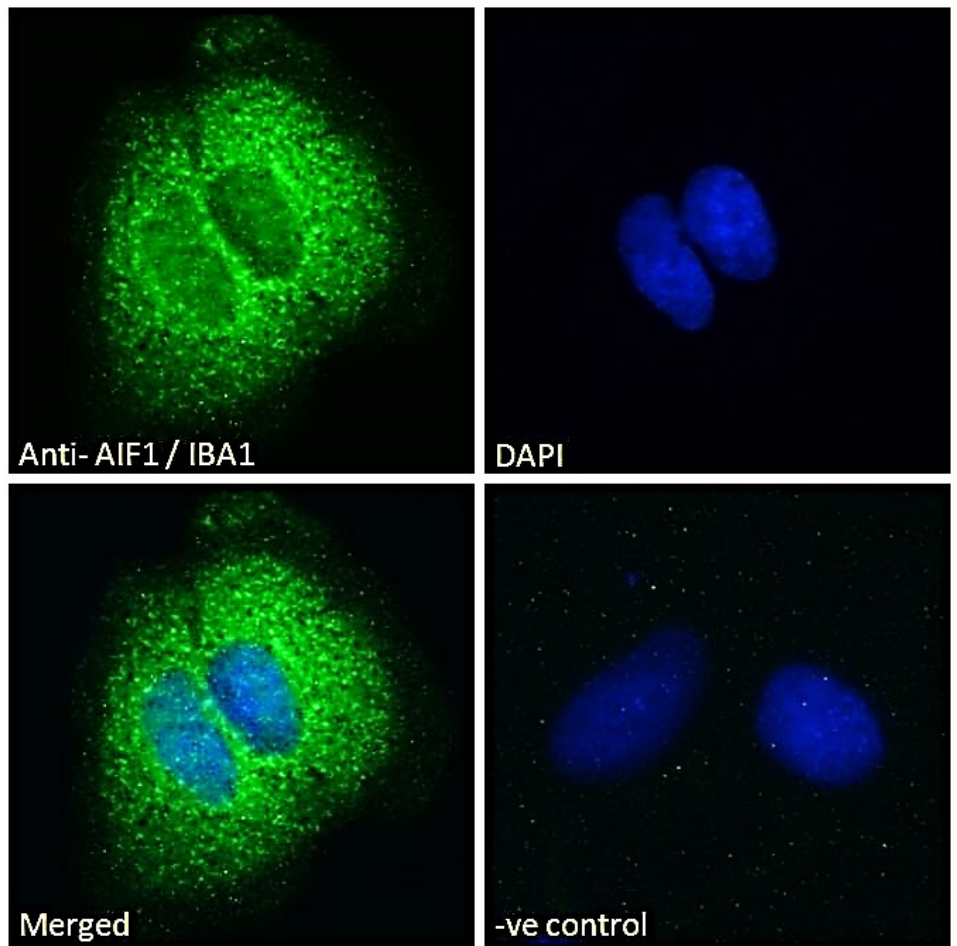
**Expected from sequence similarity:** Human



EB07257 (4μg/ml) staining of paraffin embedded Human Cerebellum. Microwaved antigen retrieval with Tris/EDTA buffer pH9, HRP-staining.



EB07257 Flow cytometric analysis of paraformaldehyde fixed K562 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



EB07257 Immunofluorescence analysis of paraformaldehyde fixed Caco-2 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).