



## UK Office

### Everest Biotech Ltd

Cherwell Innovation Centre  
77 Heyford Park  
Upper Heyford  
Oxfordshire  
OX25 5HD  
UK

Enquiries:

[info@everestbiotech.com](mailto:info@everestbiotech.com)

Sales:

[sales@everestbiotech.com](mailto:sales@everestbiotech.com)

Tech support:

[support@everestbiotech.com](mailto:support@everestbiotech.com)

Tel: +44 (0)1869 238326

Fax: +44 (0)1869 238327

## US Office

### Everest Biotech c/o Abcore

405 Maple Street, Suite A106  
Ramona,  
CA 92065  
USA

Inquiries:

[info@everestbiotech.com](mailto:info@everestbiotech.com)

Sales:

[usasales@everestbiotech.com](mailto:usasales@everestbiotech.com)

Tech support:

[support@everestbiotech.com](mailto:support@everestbiotech.com)

Tel: 888-320-4628 (toll-free)

Fax: 888-841-9041

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

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

## EB05419 - Goat Anti-AIF1/IBA1 isoform 1 and 3 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** AIF1, IBA1, allograft inflammatory factor 1, AIF-1, IRT-1, interferon gamma responsive transcript, ionized calcium-binding adapter molecule 1, Daintain, DADB-70P7.8, allograft inflammatory factor-1 splice variant Hara-1, IRT1, protein G1

**Official Symbol:** AIF1

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

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

**Non-Human GeneID(s):** 11629 (mouse), 29427 (rat)

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

### Immunogen

Peptide with sequence C-TGPPAKKAISELP, 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 1:128000.

**Western blot:** Approx. 17kDa band observed in Human Lymph Node and Mouse Brain lysates and approx. 16kDa in preliminary testing of Human Frontal Cortex and Rat Brain lysate (calculated MW of 16.7kDa according to Human NP\_001614 and 16.9kDa according to Mouse NP\_062340.1). Recommended concentration: 0.1-1µg/ml. Primary incubation 1 hour at room temperature.

**IHC:** Paraffin embedded Human Spleen and Rat Spleen. Recommended concentration: 6-8µg/ml.

### Species Reactivity

**Tested:** Human, Mouse, Rat

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

### Specific Reference

**This antibody (previous batch) has been successfully used in IHC on Mouse:**

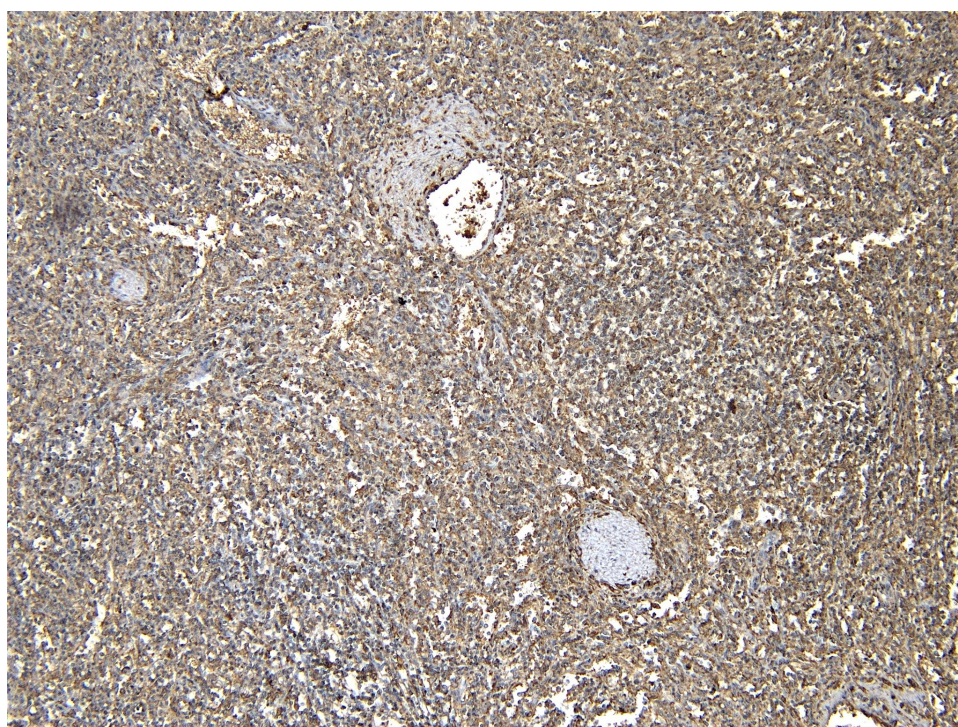
Recio JS, Álvarez-Dolado M, Díaz D, Baltanás FC, Piquer-Gil M, Alonso JR, Weruaga E. Bone marrow contributes simultaneously to different neural types in the central nervous system through different mechanisms of plasticity.

Cell Transplant. 2011;20(8):1179-92.

PMID: 21294954

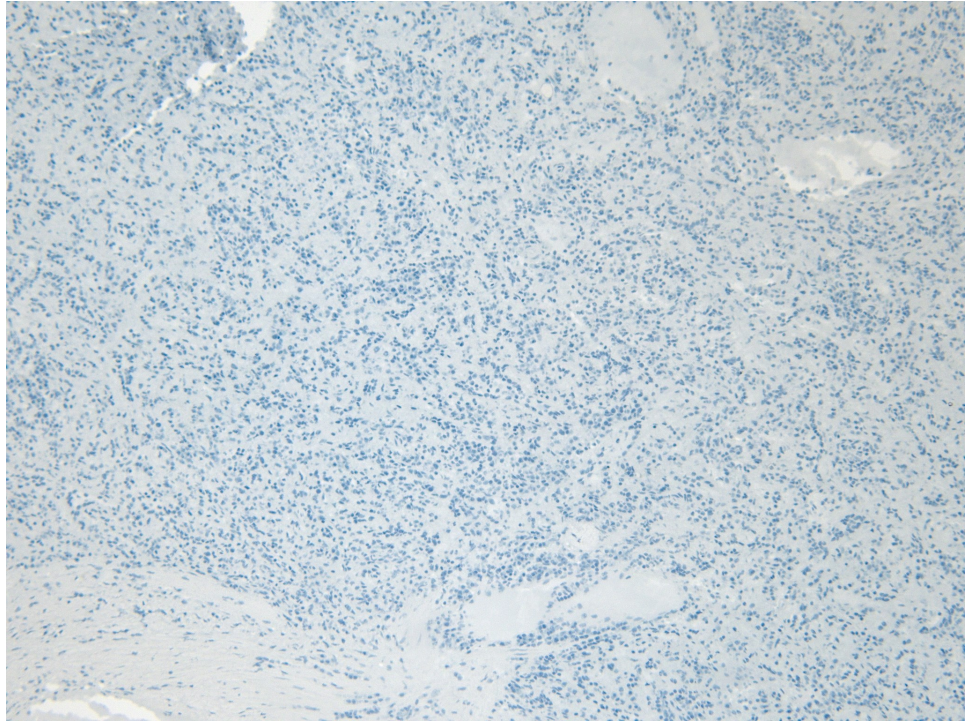


EB05419 (1 $\mu$ g/ml) staining of Human Lymph node (A) and (0.3 $\mu$ g/ml) Mouse Brain (B) lysate (35 $\mu$ g protein in RIPA buffer). Detected by chemiluminescence.

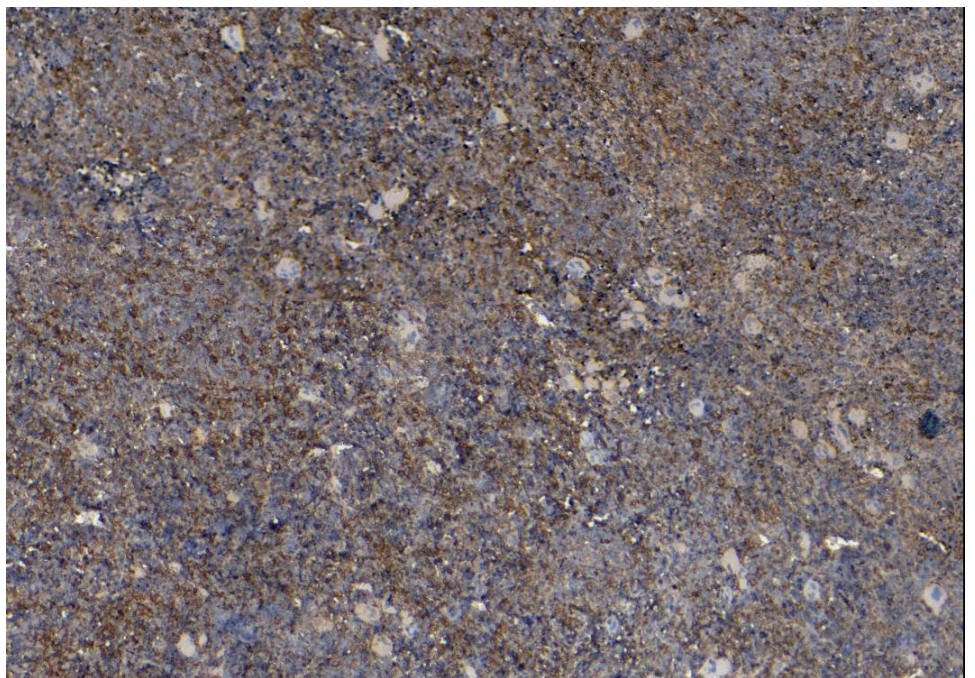


EB05419 (6 $\mu$ g/ml) staining of paraffin embedded Human Spleen. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



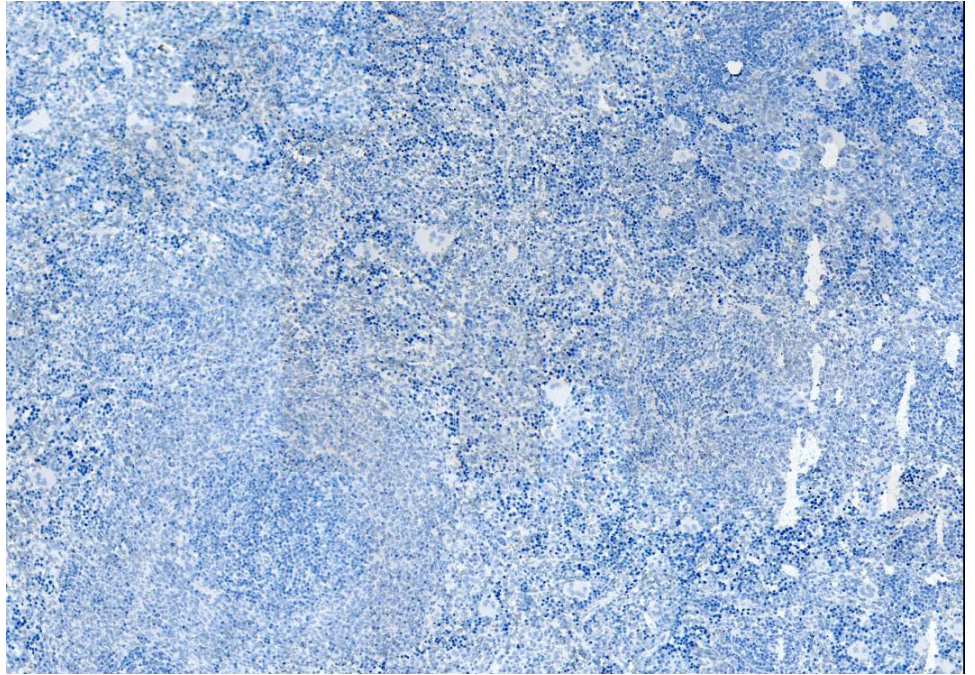


EB05419 Negative Control showing staining of paraffin embedded Human Spleen, with no primary antibody.



EB05419 (8µg/ml) staining of paraffin embedded Rat Spleen. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.





EB05419 Negative Control showing staining of paraffin embedded Rat Spleen, with no primary antibody.