



## UK Office

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**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 1:64000.

**Western blot:** Approx 17kDa band observed in Mouse and Rat Brain lysates and in preliminary testing of Human Frontal Cortex lysate (calculated MW of 16.9kDa according to Mouse NP\_062340.1 and 16.8kDa according to Rat NP\_058892.1). Recommended concentration: 0.1-5µg/ml. Primary incubation 1 hour at room temperature.

**IHC:** Paraffin embedded Human Spleen and Brain (Frontal Cortex). Recommended concentration: 6-8µg/ml.

### Species Reactivity

**Tested:** Human, Mouse, Rat

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

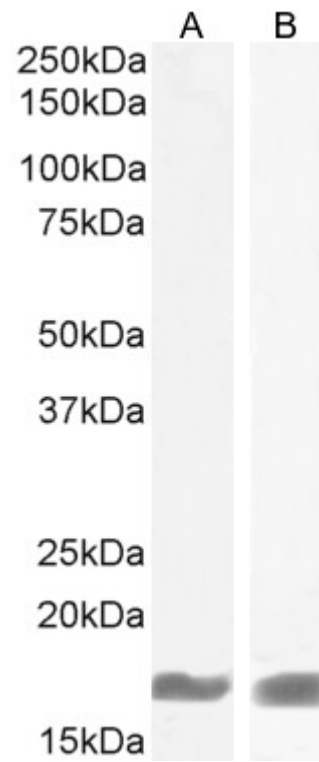
### Specific Reference

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

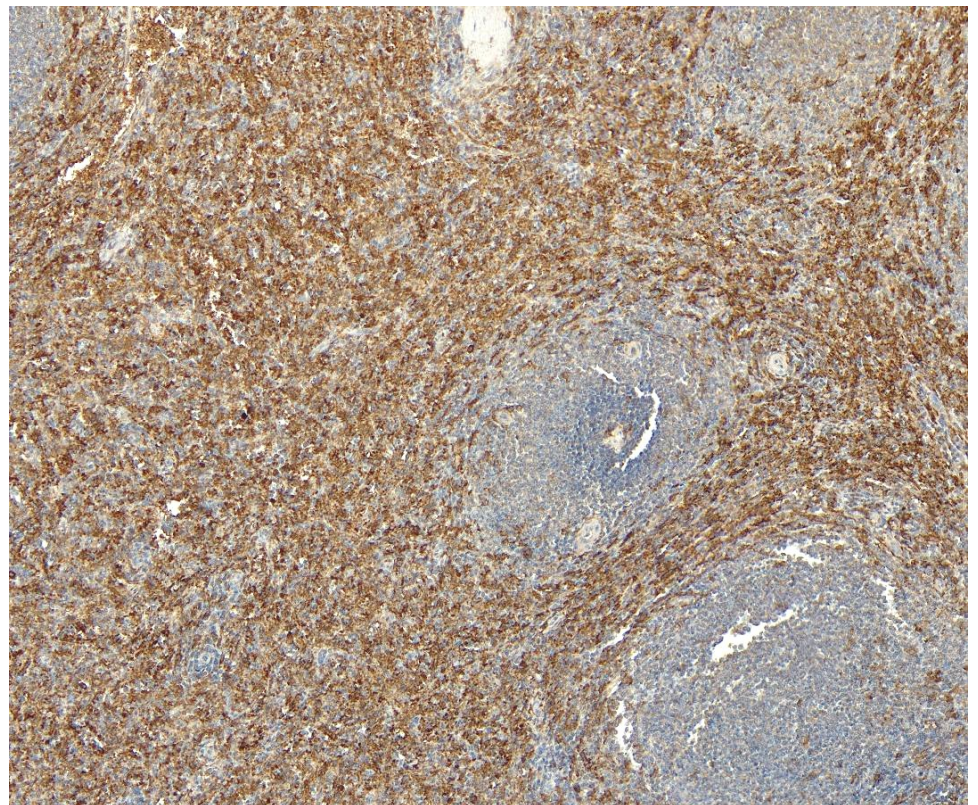
Recio JS, Álvarez-Dolado M, Díaz D, Baltanás FC, Piquer-Gil M, Alonso JR, Weruaga E. Bone marrow contributes simultaneously to different neural types in the central nervous system through different mechanisms of plasticity.

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

PMID: 21294954

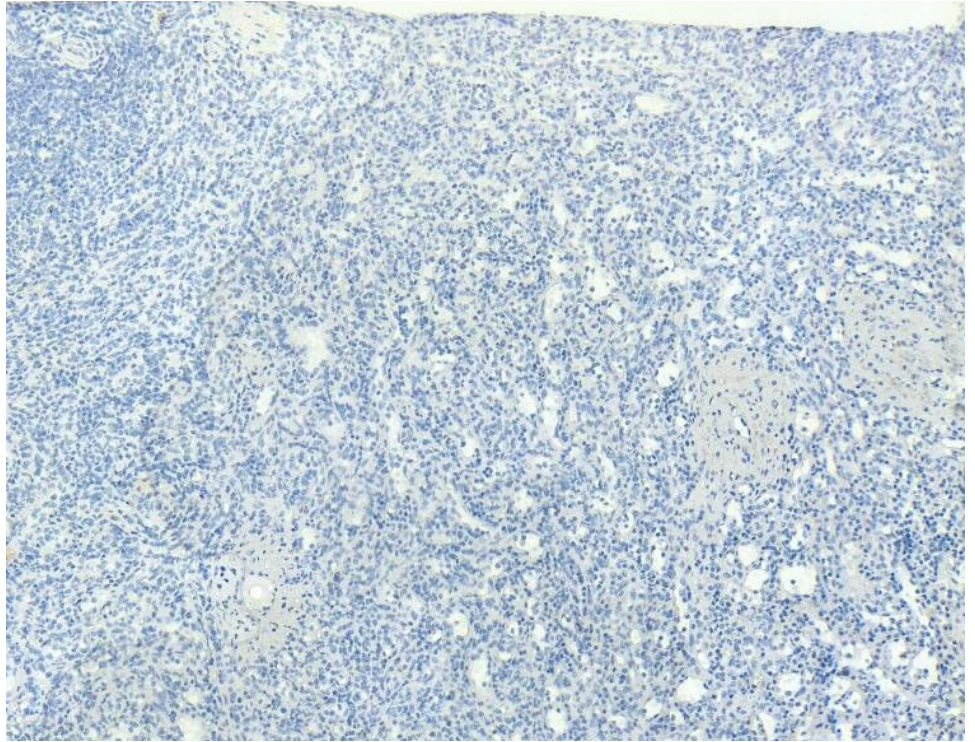


EB05419 (0.5 $\mu$ g/ml) staining of Mouse (A) and Rat (B) Brain lysate (35 $\mu$ g protein in RIPA buffer). Detected by chemiluminescence.



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



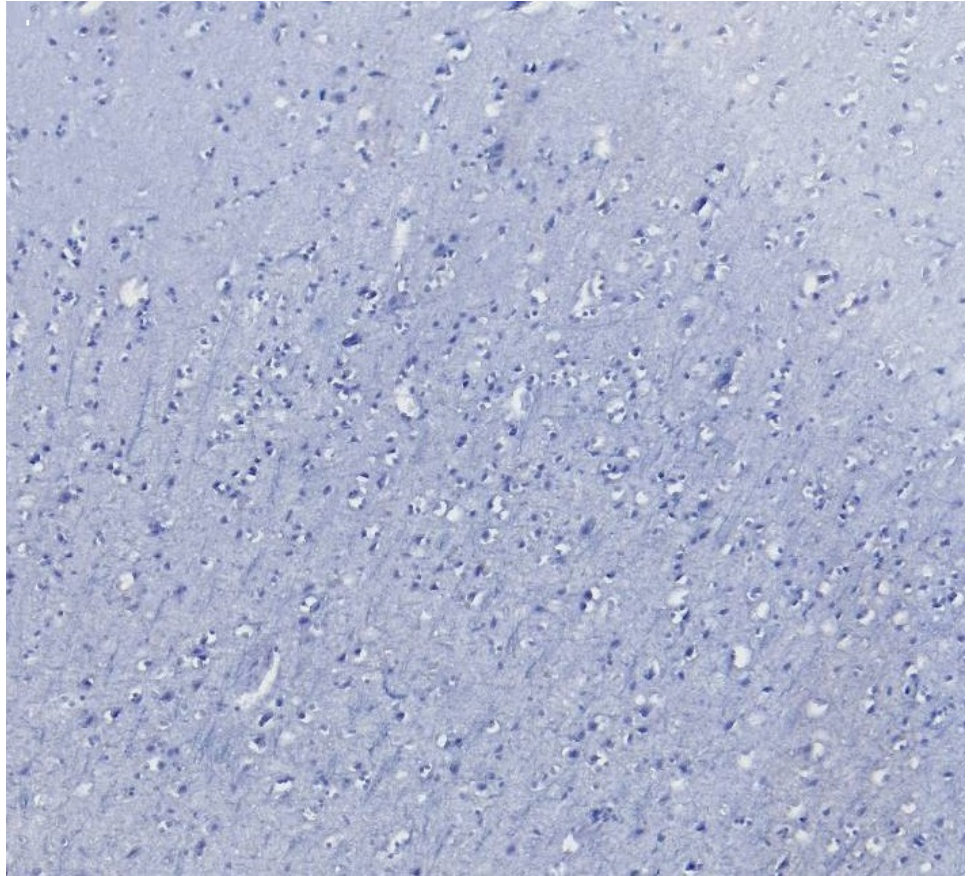


EB05419 Negative Control showing staining of paraffin embedded Human Spleen, with no primary antibody.



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





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