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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 1:128000.

Western blot: Approx 16kDa band observed in Rat Brain lysates and approx 18kDa in Mouse Brain lysates (calculated MW of 16.9kDa according to Mouse NP_062340.1 and 16.8kDa according to Rat NP_058892.1). Recommended concentration: 1-3µg/ml.

Primary incubation 1 hour at room temperature.

IHC: Paraffin embedded Human Spleen and Brain (Frontal Cortex). Recommended concentration: 4-6µg/ml.

Species Reactivity

Tested: Human, Mouse, Rat

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

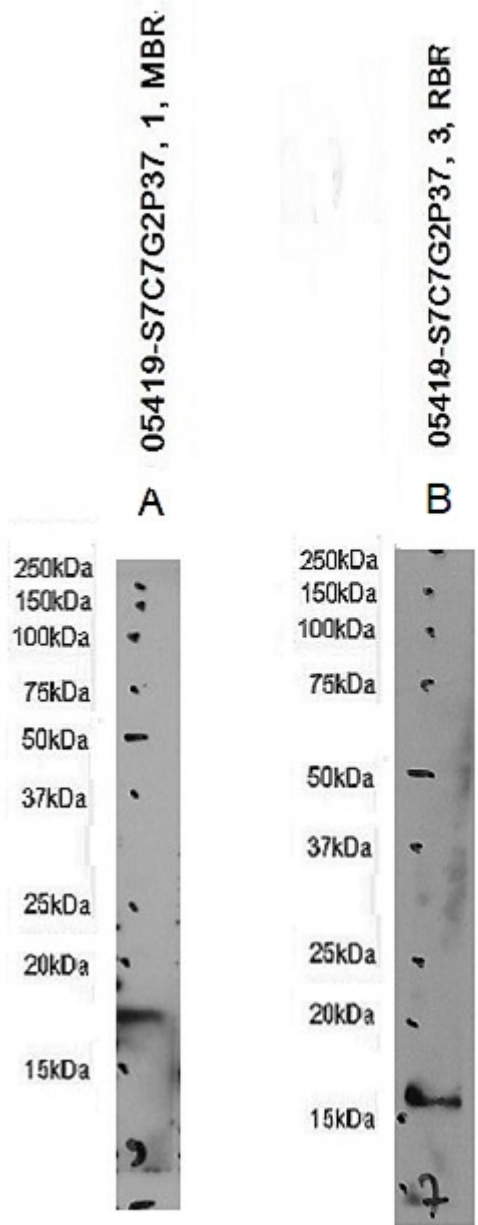
Specific Reference

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

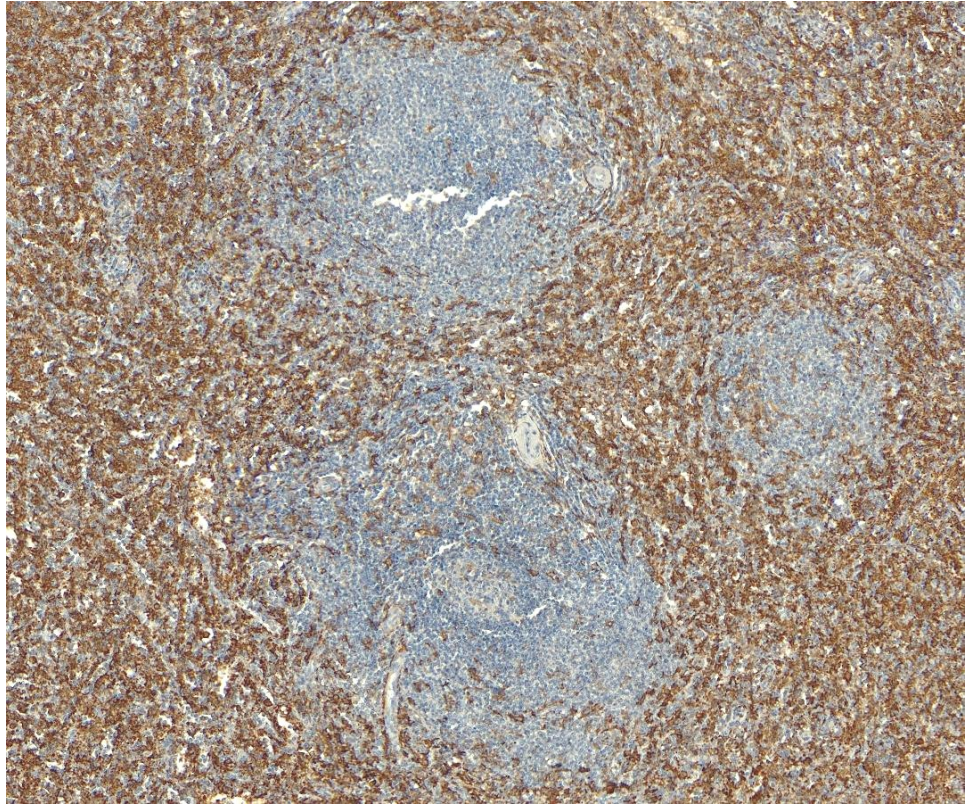
Recio JS, Álvarez-Dolado M, Díaz D, Baltanás FC, Piquer-Gil M, Alonso JR, Weruaga E. Bone marrow contributes simultaneously to different neural types in the central nervous system through different mechanisms of plasticity.

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

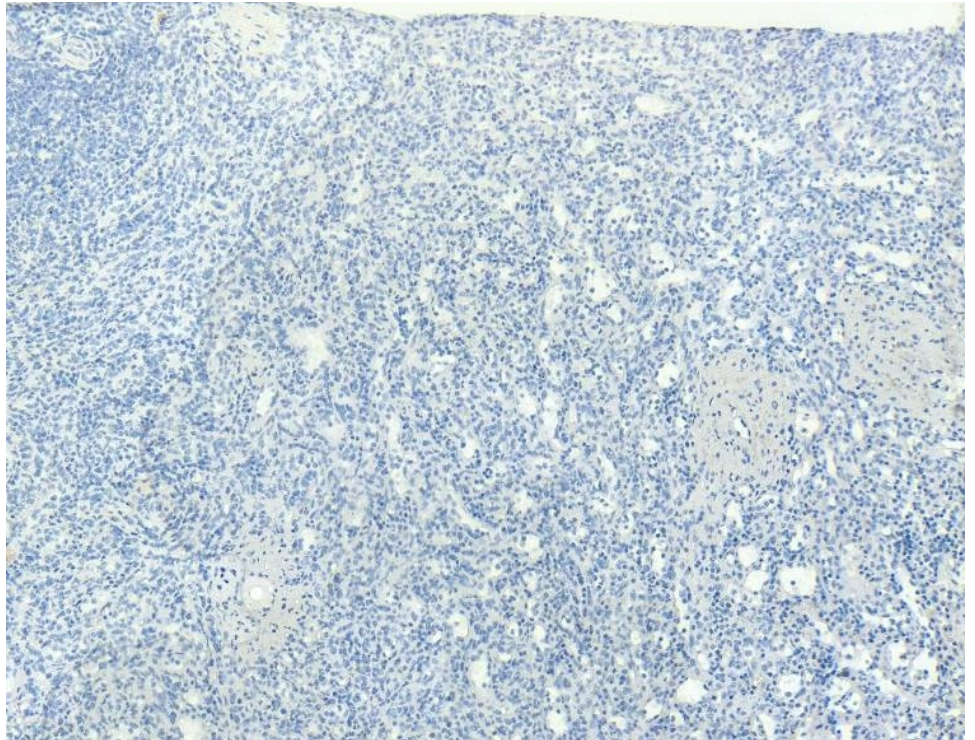
PMID: 21294954



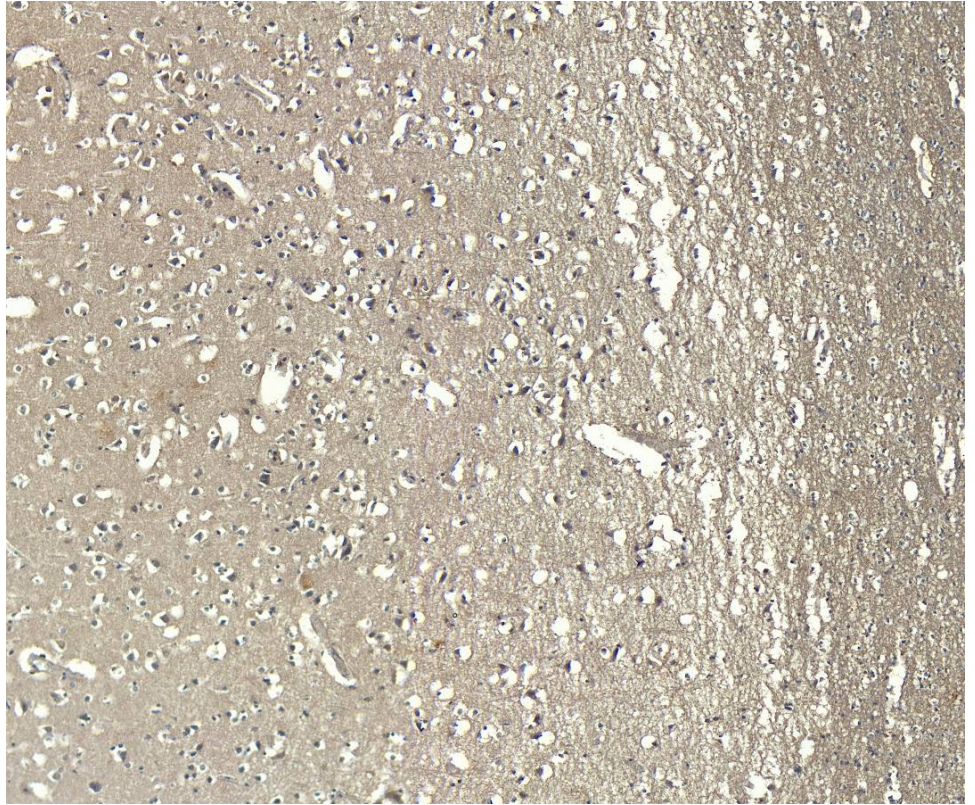
EB05419 optimised QC. Primary incubation 1 hour at room temperature.
 Image A: Mouse Brain lysate at primary Ab concentration 1µg/ml. Image B: Rat Brain lysate at primary Ab concentration 3ug/ml. (Loaded 35µg protein in RIPA buffer, per lane).
 Detected by chemiluminescence.



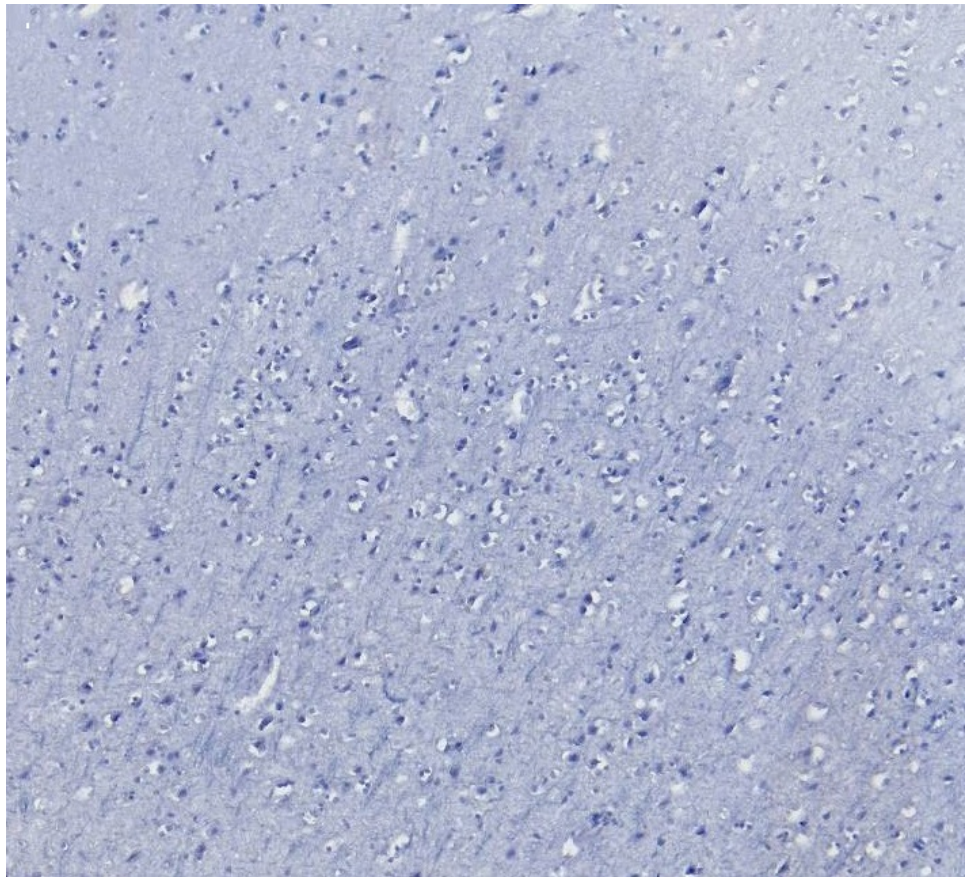
EB05419 (6 μ g/ml) staining of paraffin embedded Human Spleen. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



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



EB05419 (4µg/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.