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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 GenelD(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

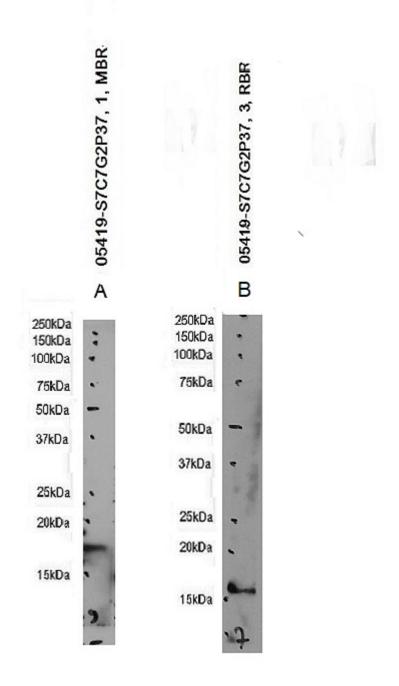
Specific Reference

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.

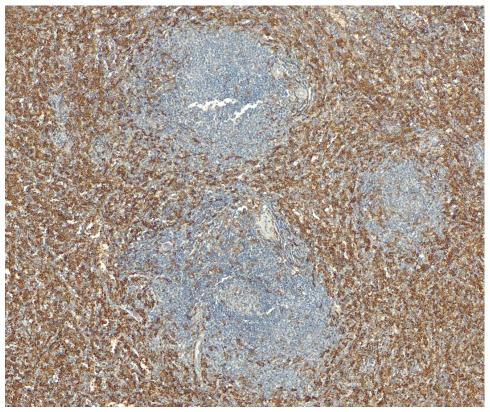
Cell Transplant. 2011;20(8):1179-92.

PMID: 21294954

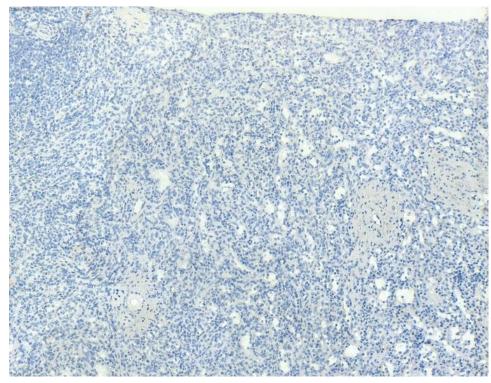


EB05419 optimised QC. Primary incubation 1 hour at room temperature.

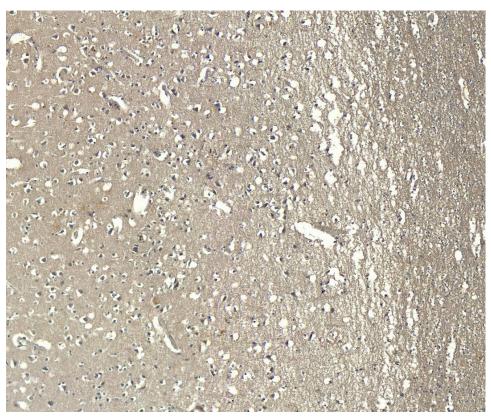
Image A: Mouse Brain lysate at primary Ab concentration $1\mu g/ml$. Image B: Rat Brain lysate at primary Ab concentration 3ug/ml. (Loaded $35\mu g$ protein in RIPA buffer, per lane). Detected by chemiluminescence.



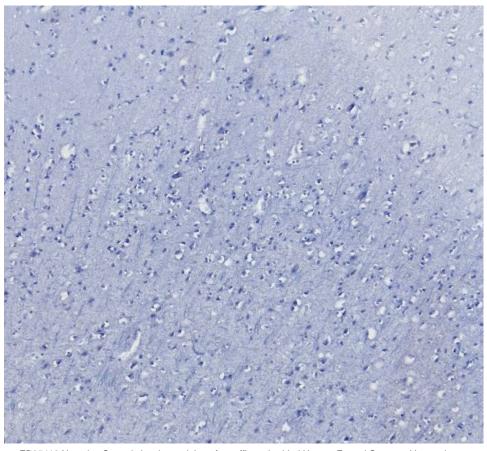
EB05419 (6μg/ml) staining of paraffin embedded Human Spleen. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



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



EB05419 (4 μ 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.