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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 Human Brain (Frontal Cortex), Mouse, Rat and Pig Brain lysates (calculated MW of 16.7kDa according to Human NP_001614.3 and Pig NP_001123422.1, 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.

This antibody can also be purchased as directly conjugated to HRP. Please specify when you order.

Species Reactivity

Tested: Human, Mouse, Rat, Pig

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

Specific References

This antibody has been successfully used in IHC on Rat:

Joshua P. Thaler, Chun-Xia Yi, Ellen A. Schur, Stephan J. Guyenet, Bang H. Hwang, Marcelo O. Dietrich, Xiaolin Zhao, David A. Sarruf, Vitaly Izgur, Kenneth R. Maravilla, Hong T. Nguyen, Jonathan D. Fischer, Miles E. Matsen, Brent E. Wisse, Gregory J. Morton, Tamas L. Horvath, Denis G. Baskin, Matthias H. Tschöp, and Michael W. Schwartz

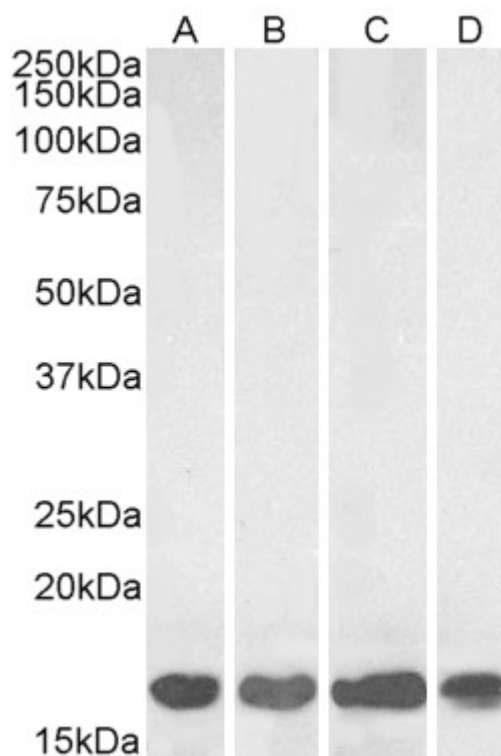
Obesity is associated with hypothalamic injury in rodents and humans.

J Clin Invest. 2012 Jan 3; 122(1): 153-162.

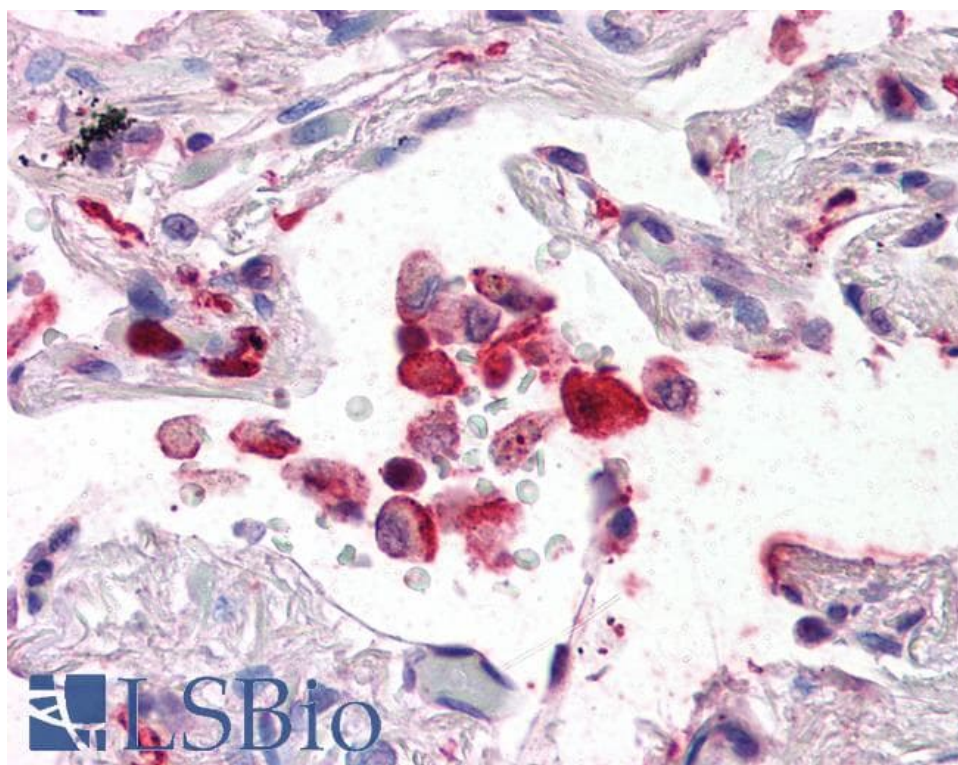
PMID: 22201683

This antibody has been successfully used in IHC on Mouse:

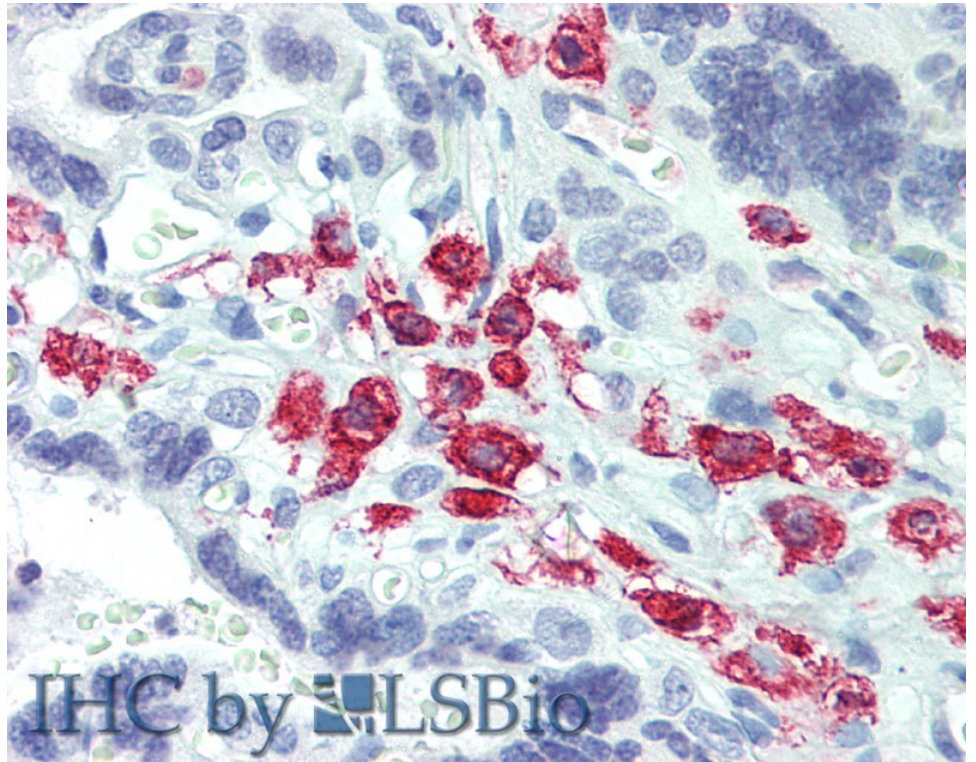
Recio JS, Álvarez-Dolado M, Díaz D, Baltanás FC, Piquer-Gil M, Alonso JR, Weruaga E.
Bone marrow contributes simultaneously to different neural types in the central nervous
system through different mechanisms of plasticity.
Cell Transplant. 2011;20(8):1179-92.
PMID: 21294954



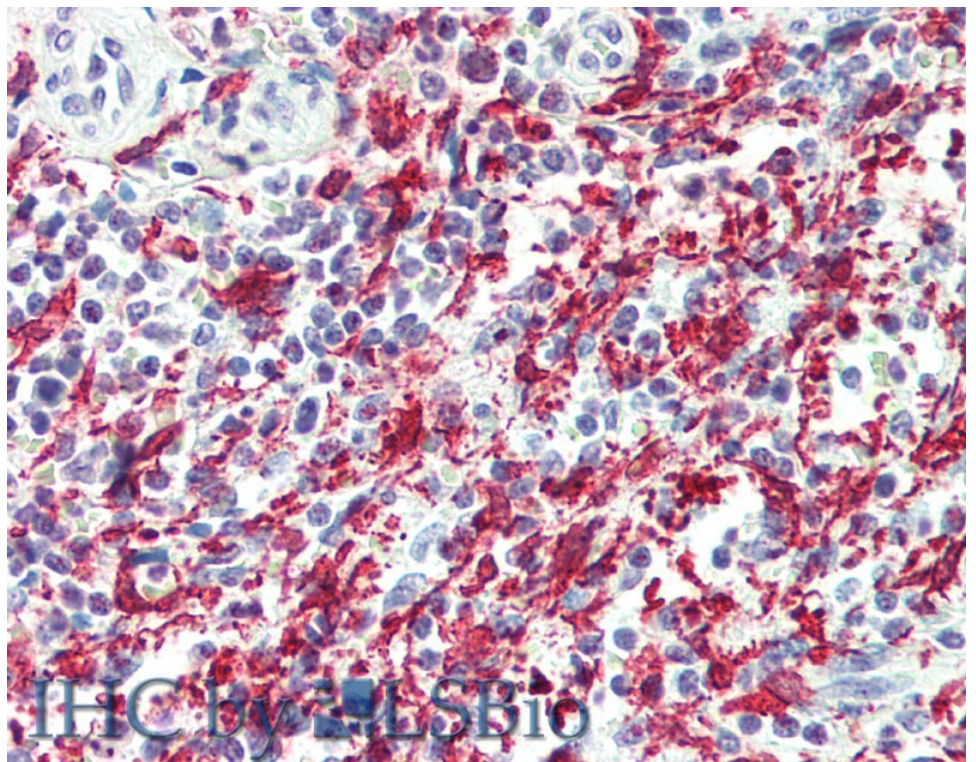
EB05419 (1 μ g/ml) staining of Human Frontal Cortex (A) Rat (B) Mouse (C) and Pig (D) Brain lysate (35 μ g protein in RIPA buffer). Detected by chemiluminescence.



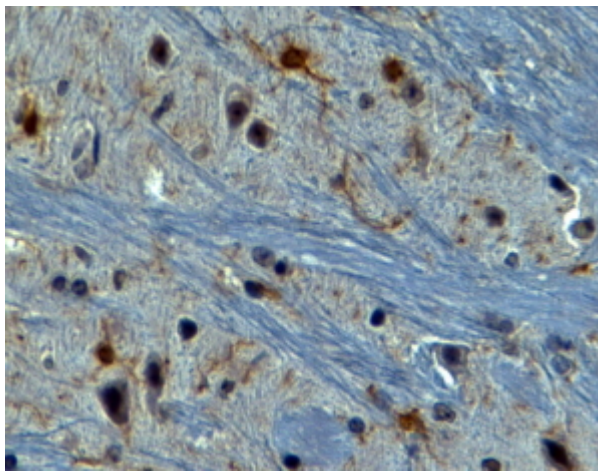
EB05419 (5 μ g/ml) staining of paraffin embedded Human Lung. Steamed antigen retrieval with Tris/EDTA buffer pH 9, AP-staining. **This data is from a previous batch, not on sale.**



EB05419 (5µg/ml) staining of paraffin embedded Human Placenta. Steamed antigen retrieval with citrate buffer pH 6, AP-staining. **This data is from a previous batch, not on sale.**



EB05419 (5µg/ml) staining of paraffin embedded Human Spleen. Steamed antigen retrieval with citrate buffer pH 6, AP-staining. **This data is from a previous batch, not on sale.**



EB05419 (2 μ g/ml) staining of paraffin embedded Mouse Brain. Steamed antigen retrieval with Tris/EDTA buffer pH 9, HRP-staining. **This data is from a previous batch, not on sale.**