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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 NP_001614.3).

Recommended concentration: 1-3µg/ml.

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

Species Reactivity

Tested: Human, Mouse, Rat

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

Specific Reference

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.

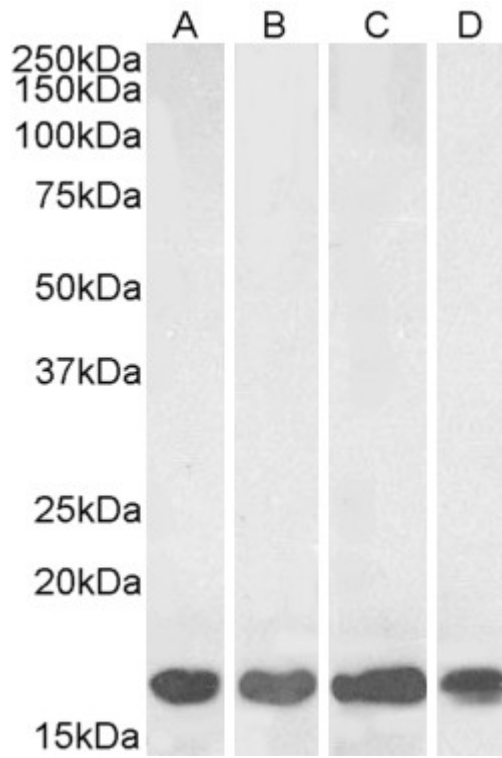
Wisse, Gregory J. Morton, Tamas L. Horvath, Denis G. Baskin, Matthias H.

Tschöp, and Michael W. Schwartz

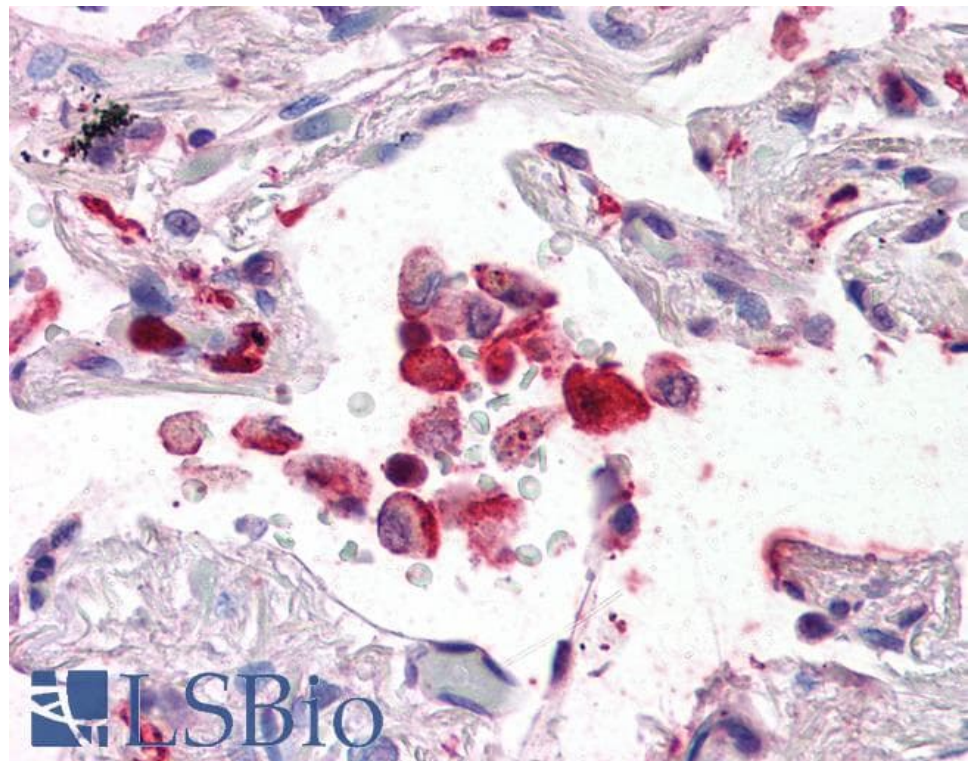
Obesity is associated with hypothalamic injury in rodents and humans.

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

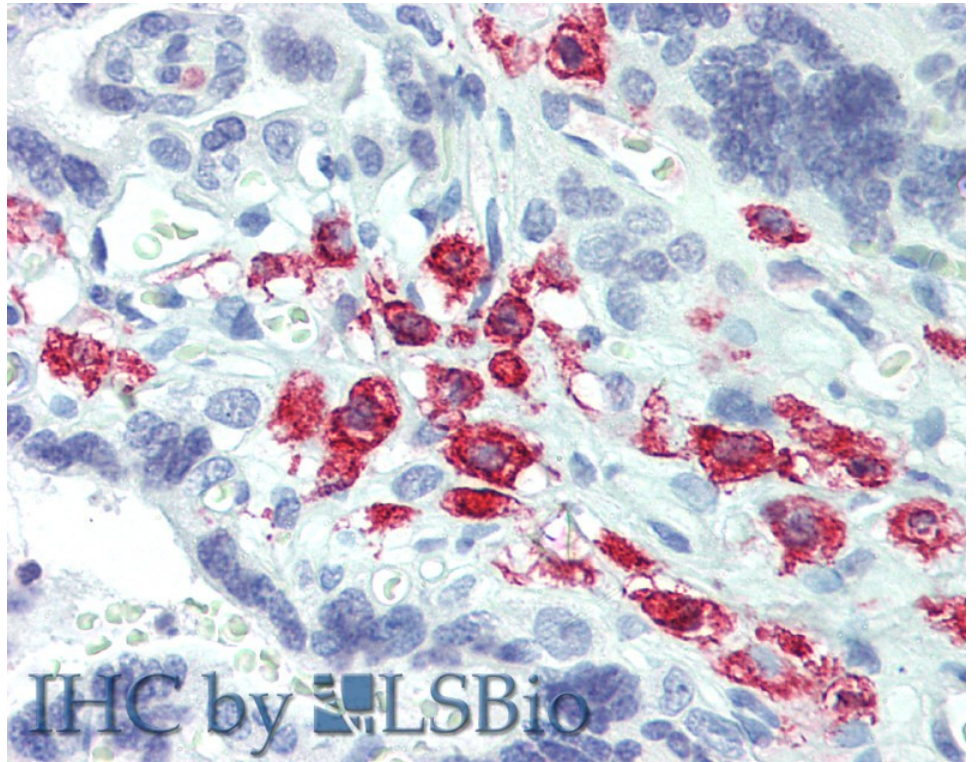
PMID: 22201683



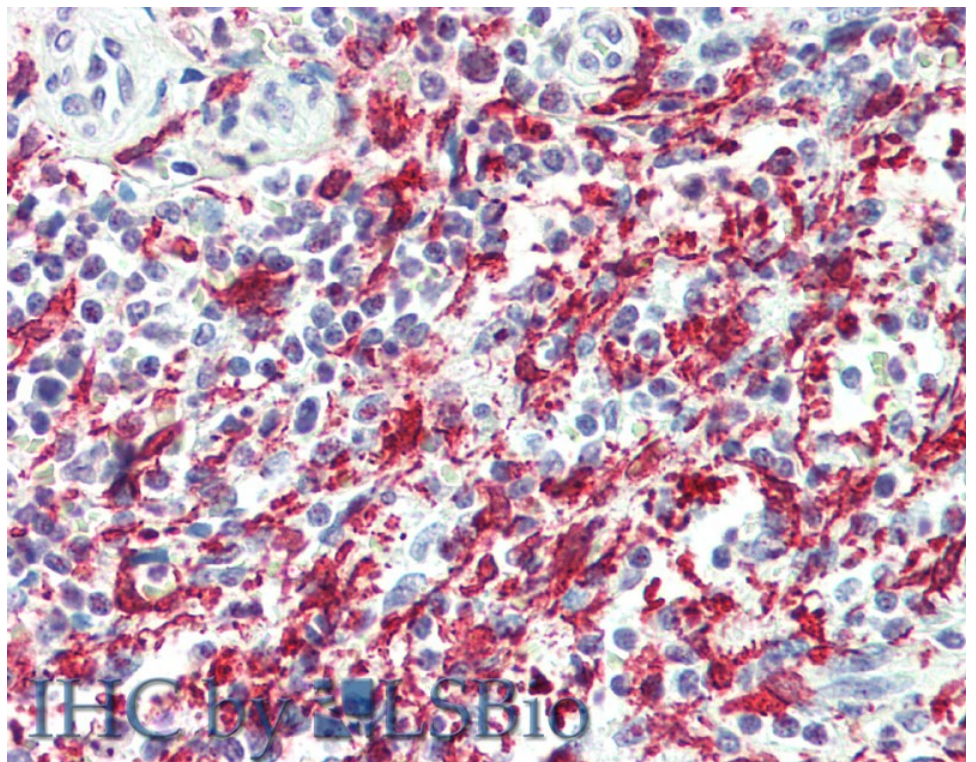
EB05419 (1µg/ml) staining of Human Brain (Frontal Cortex (A) Rat (B) Mouse (C) Brain and Swine (D)) Brain lysates (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



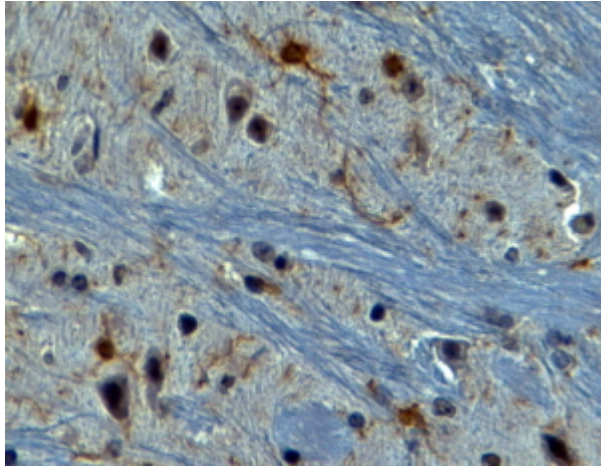
EB05419 (5µg/ml) staining of paraffin embedded Human Lung. Steamed antigen retrieval with Tris/EDTA buffer pH 9, AP-staining. **This data is from a previous batch, not on sale.**



EB05419 (5 μ g/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 (5 μ g/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.**