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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 1:32000.

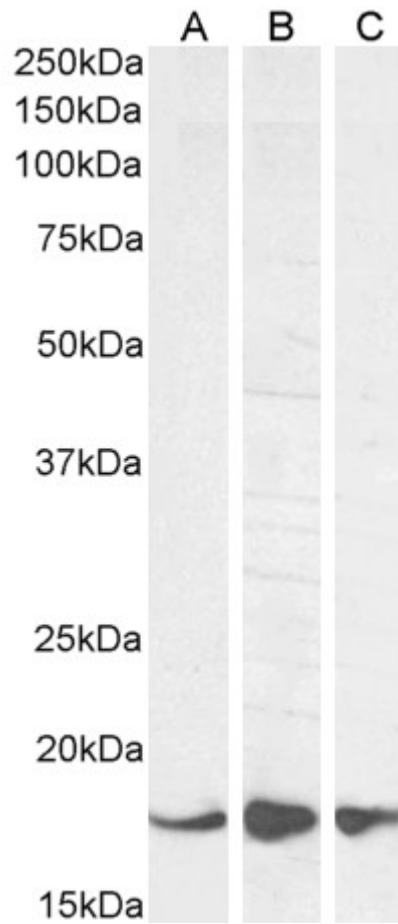
**Western blot:** Approx 18kDa band observed in Human Brain (Frontal Cortex), 17kDa in Mouse Brain and 16kDa in Rat Brain lysates (calculated MW of 16.7kDa according to Human NP\_001614.3, and 16.8kDa according to Mouse NP\_062340.1 and Rat NP\_058892.1). Recommended concentration: 0.5-1µg/ml. Primary incubation 1 hour at room temperature. Preliminary testing was unsuccessful on Pig Brain for this particular batch.

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

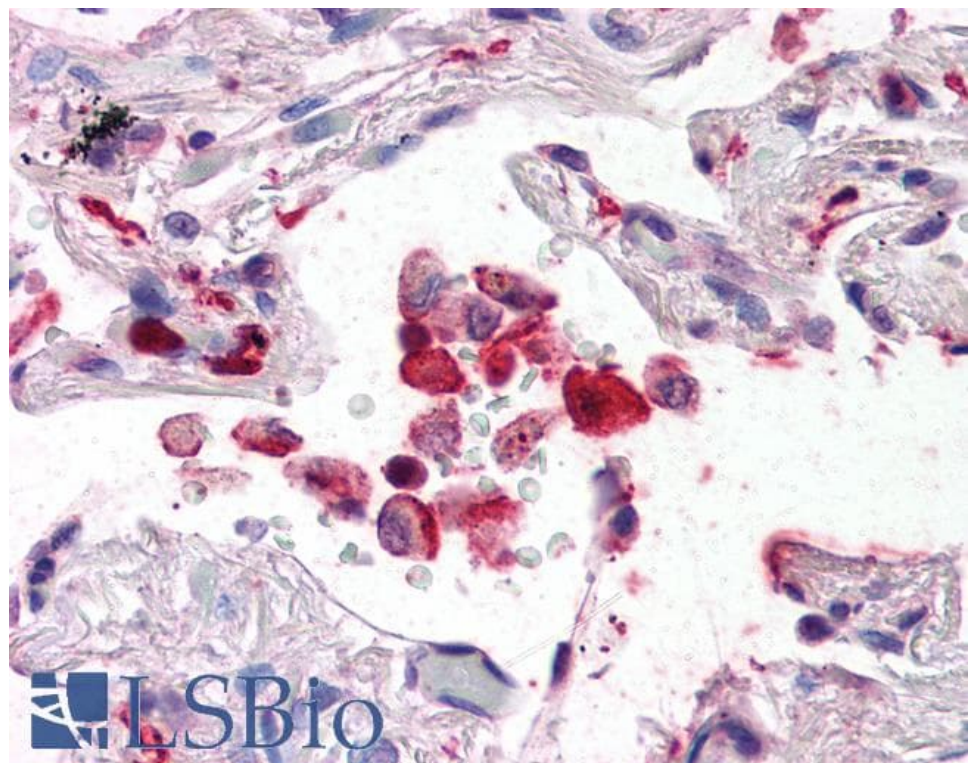
### Species Reactivity

**Tested:** Human, Mouse, Rat

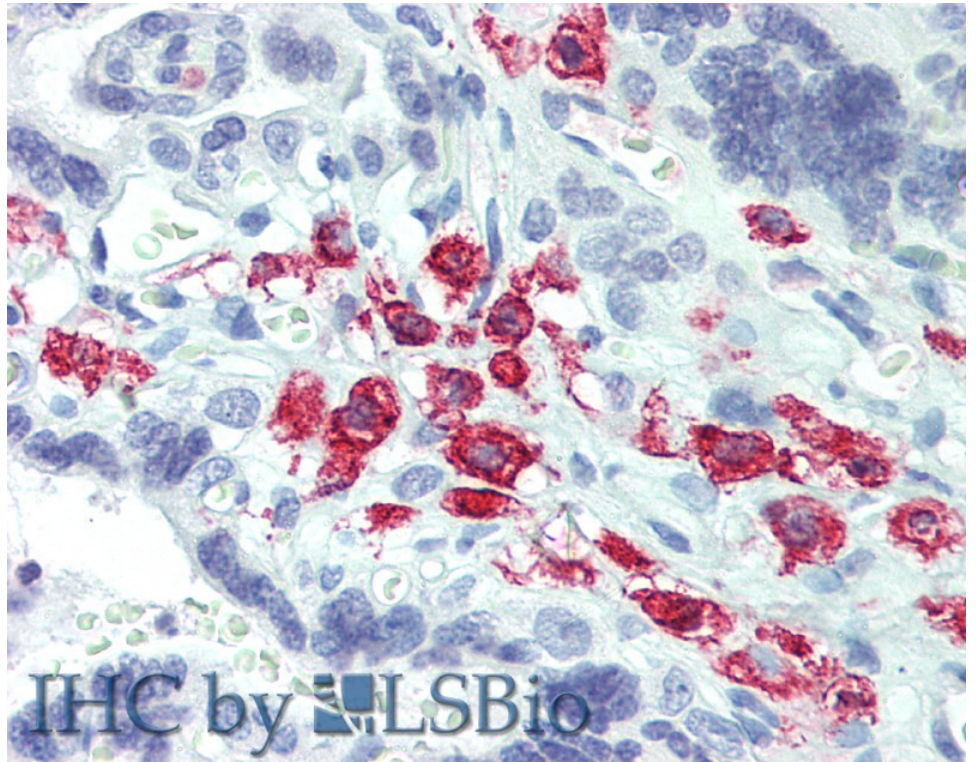
**Expected from sequence similarity:** Human, Mouse, Rat, Pig



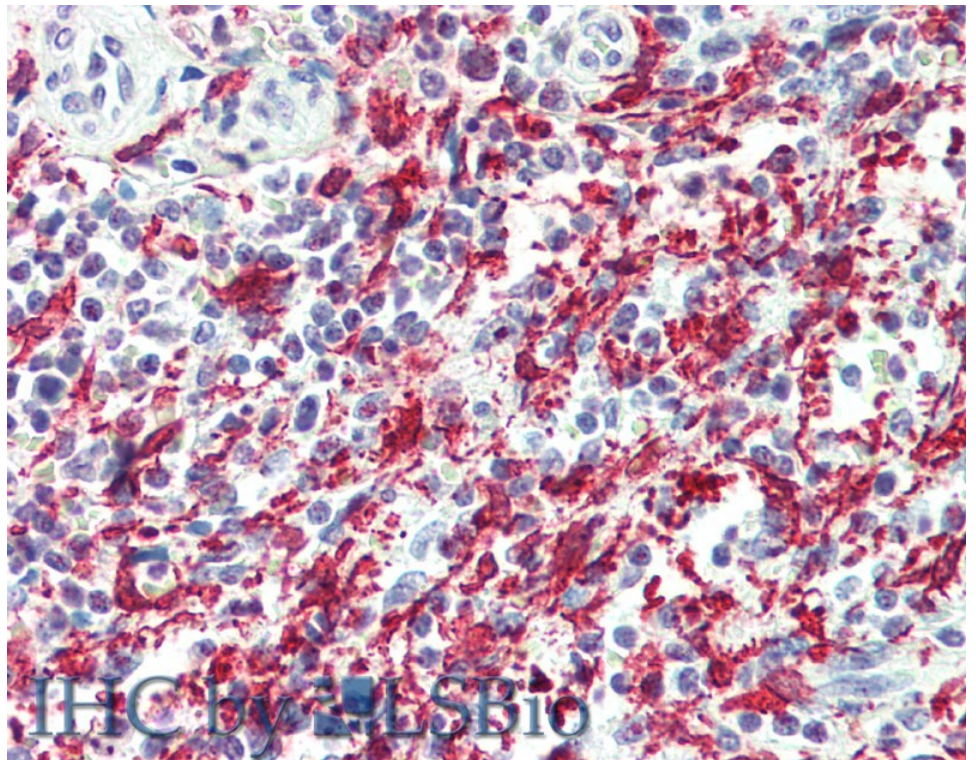
EB05419 (1µg/ml) staining of Human (A) and (0.5µg/ml) of Mouse (B) and Rat (C) Brain lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



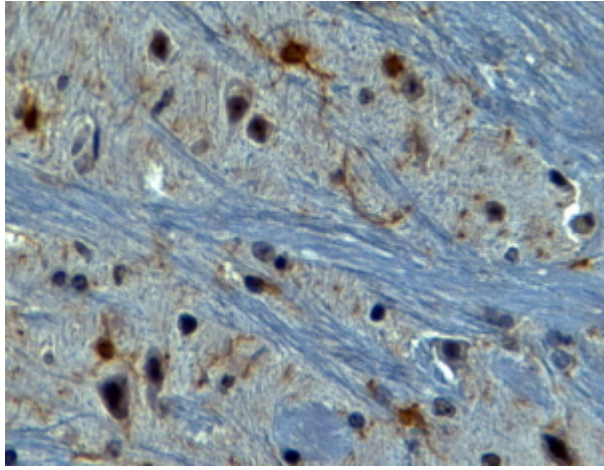
EB05419 (5µg/ml) staining of paraffin embedded Human Lung. Steamed antigen retrieval with Tris/EDTA buffer pH 9, AP-staining. **This data is from a previous batch, not on sale.**



EB05419 (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 (2µg/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.**