International Office

Everest Biotech Ltd
Vector Laboratories, Inc.
6737 Mowry Ave
Newark, CA 94560
United States

Customer Service:
customerservice@vectorlabs.com
Technical Service:
technical@vectorlabs.com

Tel: +1 (800) 227-6666

www.everestbiotech.com

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

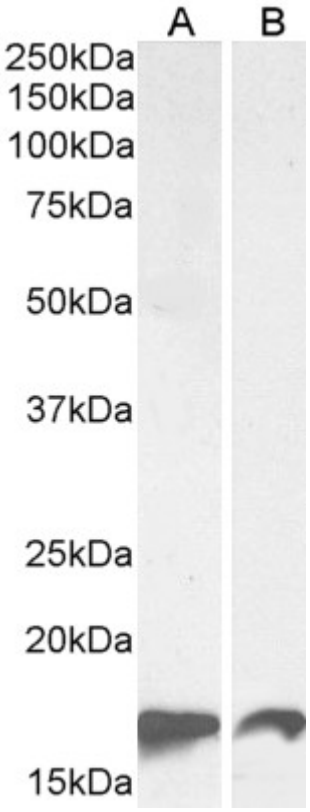
Peptide ELISA: antibody detection limit dilution 1:128000.
Western blot: Approx 16kDa band observed in Mouse and Rat Brain lysates (calculated MW of 16.9kDa according to Mouse NP_062340.1 and 16.8kDa according to Rat NP_058892.1) . Recommended concentration: 0.3-1µg/ml. Primary incubation was 1 hour.
IHC: Paraffin embedded Human Spleen and Lung. Recommended concentration: 8µg/ml.

Species Reactivity

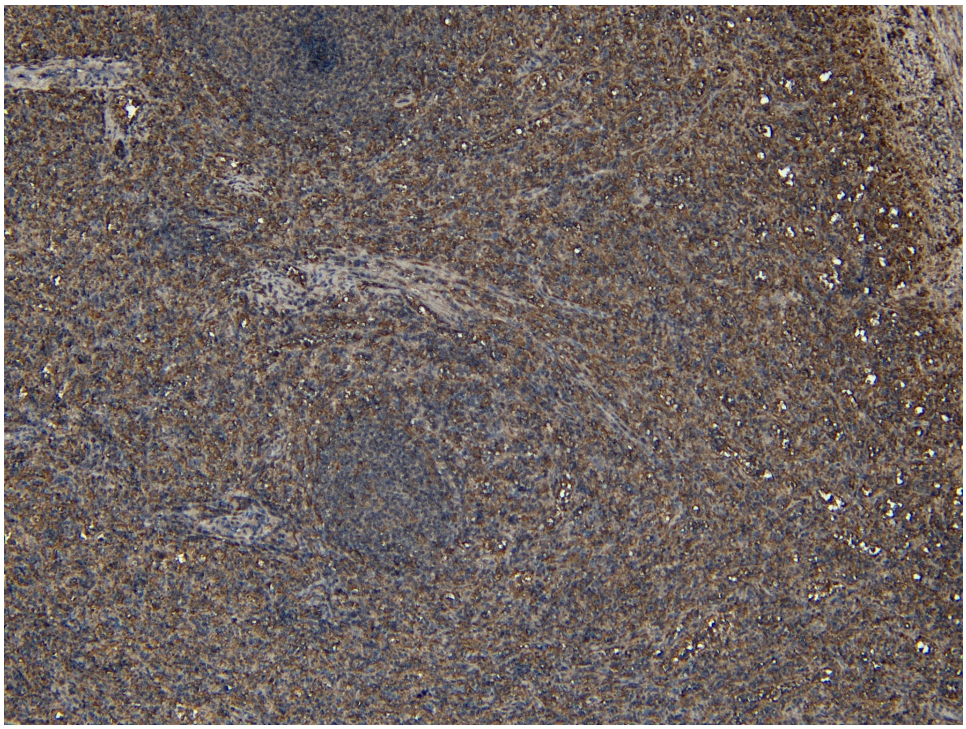
Tested: Human, Mouse, Rat
Expected from sequence similarity: Human, Mouse, Rat, Pig

Specific Reference

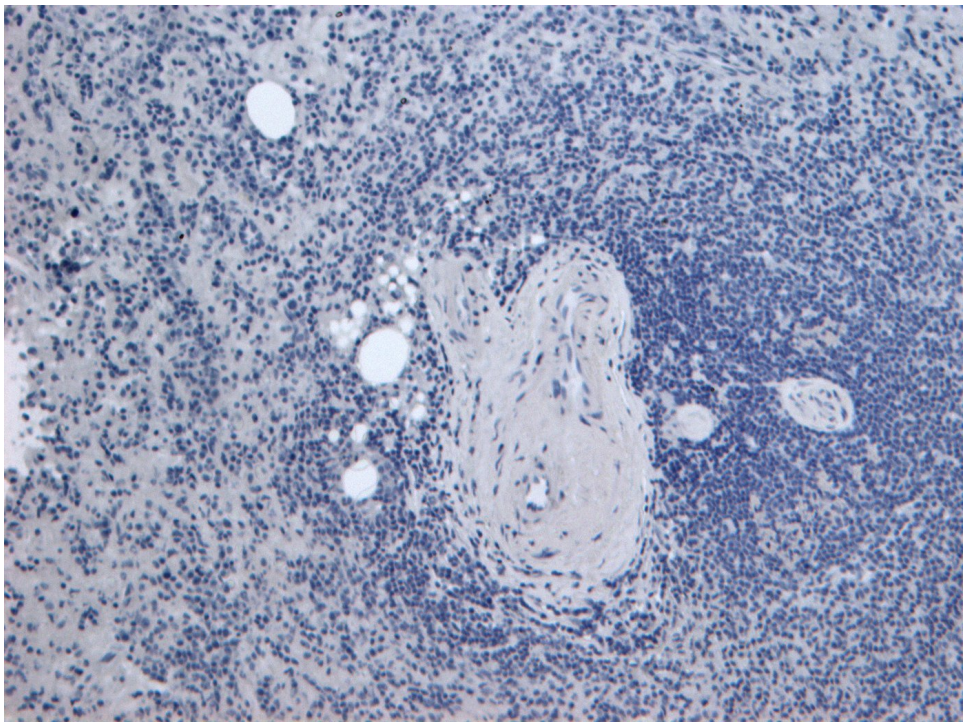
This antibody (previous batch) has been successfully used in IHC on Mouse:
Recio JS, Álvarez-Dolado M, Díaz D, Baltanás FC, Piquer-Gil M, Alonso JR, Weruaga E. Bone marrow contributes simultaneously to different neural types in the central nervous system through different mechanisms of plasticity.
Cell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



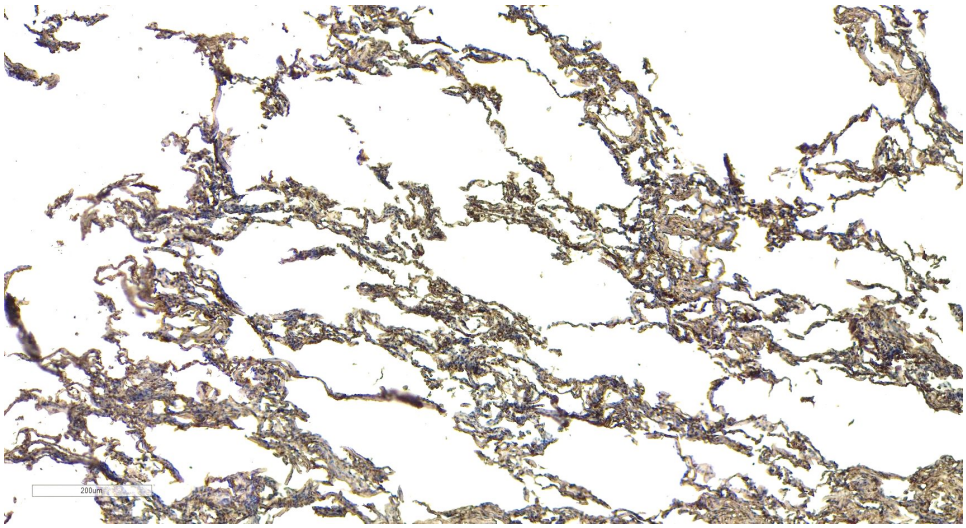
EB05419 (0.3µg/ml) staining of Mouse (A) and Rat (B) Brain lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



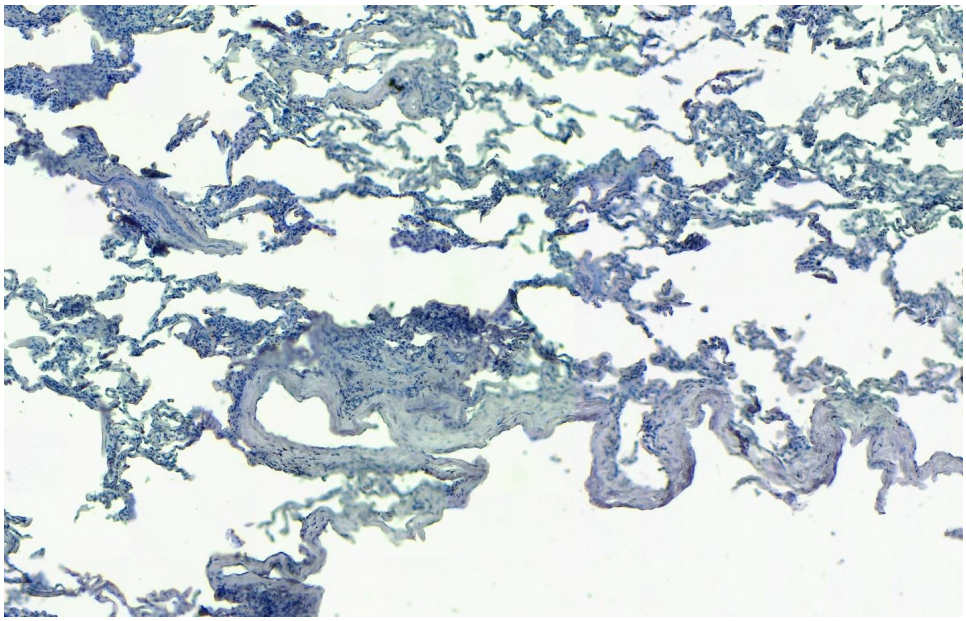
EB05419 (8µg/ml) staining of paraffin embedded Human Spleen. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



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



EB05419 (8µg/ml) staining of paraffin embedded Human Lung. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



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