

**Research Use Only. Not for  
diagnostic or therapeutic use.**

Storage: For long-term storage  
keep aliquots at -20°C. (Store no  
longer than 12 months at 4°C).  
Minimize freezing and thawing.

## EB05419 - Goat Anti-AIF1 / IBA1 (isoform 1 and 3) Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** DADB-70P7.8, Daintain, ionized calcium-binding adapter molecule, interferon gamma responsive transcript, IRT-1, AIF-1, allograft inflammatory factor 1, IBA1, AIF1

**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 1:8000.

**Western blot:** Approx 17kDa band observed in Human Brain (Cerebellum) and Rat Brain lysates (calculated MW of 16.7kDa according to Human NP\_001614.3 and of 16.8kDa according to Rat NP\_058892.1). 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, Rat

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

### Specific References

The goat polyclonal antibody used in this paper was manufactured by us:  
Clavaguera F, Bolmont T, Crowther RA, Abramowski D, Frank S, Probst A, Fraser G, Stalder AK, Beibel M, Staufenbiel M, Jucker M, Goedert M, Tolnay M.  
Transmission and spreading of tauopathy in transgenic mouse brain.  
Nat Cell Biol. 2009 Jul;11(7):909-13.

**PMID:** 19503072

The goat polyclonal antibody used in this paper was manufactured by us:  
Kalm M, Lannering B, Björk-Eriksson T, Blomgren K.  
Irradiation-induced loss of microglia in the young brain.  
J Neuroimmunol. 2009 Jan 3;206(1-2):70-5.

**PMID:** 19070908

The goat polyclonal antibody used in this paper was manufactured by us:  
Hirko AC, Dallsen R, Jomura S, Xu Y.  
Modulation of inflammatory responses after global ischemia by transplanted umbilical cord matrix stem cells.  
Stem Cells. 2008 Nov;26(11):2893-901.  
**PMID:** 18719227

The goat polyclonal antibody used in this paper was manufactured by us:  
Wu J, Ohlsson M, Warner EA, Loo KK, Hoang TX, Voskuhl RR, Havton LA.  
Glial reactions and degeneration of myelinated processes in spinal cord gray matter in chronic experimental autoimmune encephalomyelitis.  
Neuroscience. 2008 Oct 15;156(3):586-96.  
**PMID:** 18718511

The goat polyclonal antibody used in this paper was manufactured by us:  
McCoy MK, Ruhn KA, Martinez TN, McAlpine FE, Blesch A, Tansey MG.  
Intranigral lentiviral delivery of dominant-negative TNF attenuates neurodegeneration and behavioral deficits in hemiparkinsonian rats.  
Mol Ther. 2008 Sep;16(9):1572-9.  
**PMID:** 18628756

The goat polyclonal antibody used in this paper was manufactured by us:  
Opazo MC, Gianini A, Pancetti F, Azkcona G, Alarcón L, Lizana R, Noches V, Gonzalez PA, Marassi MP, Mora S, Rosenthal D, Eugenin E, Naranjo D, Bueno SM, Kalergis AM, Riedel CA.  
Maternal hypothyroxinemia impairs spatial learning and synaptic nature and function in the offspring.  
Endocrinology. 2008 Oct;149(10):5097-106  
**PMID:** 18566112

The goat polyclonal antibody used in this paper was manufactured by us:  
Sappington RM, Calkins DJ.  
Contribution of TRPV1 to microglia-derived IL-6 and NFkappaB translocation with elevated hydrostatic pressure.  
Invest Ophthalmol Vis Sci. 2008 Jul;49(7):3004-17.  
**PMID:** 18362111

The goat polyclonal antibody used in this paper was manufactured by us:  
Kielian T, Syed MM, Liu S, Phulwani NK, Phillips N, Wagoner G, Drew PD, Esen N.  
The synthetic peroxisome proliferator-activated receptor-gamma agonist ciglitazone attenuates neuroinflammation and accelerates encapsulation in bacterial brain abscesses.  
J Immunol. 2008 Apr 1;180(7):5004-16.  
**PMID:** 18354226

The goat polyclonal antibody used in this paper was manufactured by us:  
Kobayashi K, Yamanaka H, Fukuoka T, Dai Y, Obata K, Noguchi K.  
P2Y12 receptor upregulation in activated microglia is a gateway of p38 signaling and neuropathic pain.  
**PMID:** 18337420

The goat polyclonal antibody used in this paper was manufactured by us:  
Guzman R, De Los Angeles A, Cheshier S, Choi R, Hoang S, Liauw J, Schaar B, Steinberg G.  
Intracarotid injection of fluorescence activated cell-sorted CD49d-positive neural stem cells improves targeted cell delivery and behavior after stroke in a mouse stroke model.  
Stroke. 2008 Apr;39(4):1300-6.  
**PMID:** 18309158

The goat polyclonal antibody used in this paper was manufactured by us:

Xu H, Chen M, Manivannan A, Lois N, Forrester JV.

Age-dependent accumulation of lipofuscin in perivascular and subretinal microglia in experimental mice.

Aging Cell. 2008 Jan;7(1):58-68.

**PMID:** 17988243

The goat polyclonal antibody used in this paper was manufactured by us:

Somera-Molina KC, Robin B, Somera CA, Anderson C, Stine C, Koh S, Behanna HA, Van Eldik LJ, Watterson DM, Wainwright MS.

Glial activation links early-life seizures and long-term neurologic dysfunction: evidence using a small molecule inhibitor of proinflammatory cytokine upregulation.

Epilepsia. 2007 Sep;48(9):1785-800.

**PMID:** 17521344

The goat polyclonal antibody used in this paper was manufactured by us:

Jégou JF, Chan P, Schouft MT, Griffiths MR, Neal JW, Gasque P, Vaudry H, Fontaine M.

C3d binding to the myelin oligodendrocyte glycoprotein results in an exacerbated experimental autoimmune encephalomyelitis.

J Immunol. 2007 Mar 1;178(5):3323-31.

**PMID:** 17312184

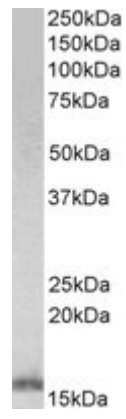
The goat polyclonal antibody used in this paper was manufactured by us:

Del Galdo F, Maul GG, Jiménez SA, Artlett CM.

Expression of allograft inflammatory factor 1 in tissues from patients with systemic sclerosis and in vitro differential expression of its isoforms in response to transforming growth factor beta.

Arthritis Rheum. 2006 Aug;54(8):2616-25.

**PMID:** 16868985



EB05419 (1 $\mu$ g/ml) staining of Rat Brain lysate (35 $\mu$ g protein in RIPA buffer). Primary incubation was 1 hour.  
Detected by chemiluminescence.