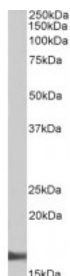


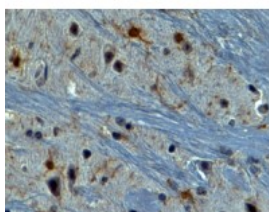


## AIF1 Antibody

CATALOG NUMBER: 45-219



Western Blot (1.5ug/ml) staining of Rat Brain lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



Immunohistochemistry (2ug/ml) staining of paraffin embedded Mouse Brain. Steamed antigen retrieval with Tris/EDTA buffer pH 9, HRP-staining.

### Specifications

<b>SPECIES REACTIVITY:</b>	Mouse, Rat
<b>TESTED APPLICATIONS:</b>	ELISA, IHC-P, WB
<b>APPLICATIONS:</b>	ELISA: antibody detection limit dilution 1:32000. Western Blot: 1.5ug/ml staining of Rat Brain lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence. Immunohistochemistry: 2ug/ml staining of paraffin embedded Mouse Brain. Steamed antigen retrieval with Tris/EDTA buffer pH 9, HRP-staining. This antibody can also be purchased as directly conjugated to HRP. Please specify when you order.
<b>POSITIVE CONTROL:</b>	1) Cat. No. 1463 - Rat Brain Tissue Lysate
<b>SPECIFICITY:</b>	This antibody is expected to recognize isoform 1 (NP_116573.1) and isoform 3 (NP_001614.3). AIF1 / IBA1 is thought to be involved in negative regulation of growth of vascular smooth muscle cells, which contributes to the anti-inflammatory response to ves
<b>IMMUNOGEN:</b>	AIF1 antibody was raised against a 13 amino acid synthetic peptide near the C-Terminus of AIF1.
<b>HOST SPECIES:</b>	Goat

### Properties

<b>PURIFICATION:</b>	AIF1 antibody was purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>PHYSICAL STATE:</b>	Liquid
<b>BUFFER:</b>	AIF1 antibody is supplied in Tris saline, 0.02% sodium azide, pH 7.3 with 0.5% bovine serum albumin.
<b>CONCENTRATION:</b>	500 ug/mL
<b>STORAGE CONDITIONS:</b>	Aliquot and store at -20°C. Minimize freezing and thawing.
<b>CLONALITY:</b>	Polyclonal
<b>CONJUGATE:</b>	Unconjugated

### Additional Info

<b>ALTERNATE NAMES:</b>	AIF1, allograft inflammatory factor 1, IBA1, AIF-1, IRT-1, interferon gamma responsive transcript, ionized calcium-binding adapter molecule, Daintain, G1
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<b>ACCESSION NO.:</b>	NP_116573.1, NP_001614.3
<b>PROTEIN GI NO.:</b>	14574566
<b>OFFICIAL SYMBOL:</b>	AIF1
<b>GENE ID:</b>	199

## Background

<b>REFERENCES:</b>	1) Autieri MV, Agrawal N. IRT-1, a novel interferon-gamma-responsive transcript encoding a growth-suppressing basic leucine zipper protein. J Biol Chem. 1998 Jun 12;273(24):14731-7.
	2) 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.
	3) 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-
	4) Hirko AC, Dallasen 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.

**FOR RESEARCH USE ONLY**

December 13, 2016