

Rabbit AIF1 Polyclonal Antibody | anti-AIF1 antibody

AIF1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326928	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

AIF1; Polyclonal Antibody; AIF1 Antibody; AIF 1; AIF-1; Aif1; AIF1 protein; AIF1_HUMAN; Allograft inflammatory factor 1; Allograft inflammatory factor 1 splice variant G; allograft inflammatory factor-1 splice variant Hara-1; balloon angioplasty responsive transcription; BART 1; G1; G1 putative splice variant of allograft inflammatory factor 1; IBA 1; IBA1; interferon gamma responsive transcript; Interferon responsive transcript 1; interferon responsive transcript factor 1; Ionized calcium binding adapter molecule 1; Ionized calcium-binding adapter molecule 1; ionized calcium-binding adapter molecule; IRT 1; IRT1; Microglia response factor; MRF1; Protein g1; anti-AIF1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	AIF1 antibody detects endogenous levels of total AIF1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	93
Applicable Applications for anti-AIF1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human AIF1/IBA1, corresponding to a region within C-terminal amino acids.
Subcellular Location	Cytoplasm > Cytoskeleton. Cell Projection > Ruffle Membrane. Associated with the actin cytoskeleton at membrane ruffles and at sites of phagocytosis.
Tissue Specificity	Detected in T-lymphocytes and peripheral blood mononuclear cells.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degrees C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA326928 staining U87 cells by ICC/IF. Cells were fixed with PFA and permeabilized in 0.1% saponin prior to blocking in 10% serum for 45 minutes at 37 degree C. The primary antibody was diluted 1/200 and incubated with the sample for 1 hour at 37 degree C. A Alexa Fluor 594 conjugated goat polyclonal to rabbit IgG (H+L), diluted 1/600 was used as secondary antibody.



IHC (Immunohistochemistry)

AAA326928 at 1/100 staining mouse brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

Western blot analysis of extracts of U937, using AIF1 antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-AIF1 antibody

Description: This gene is induced by cytokines and interferon. Its protein product is thought to be involved in negative regulation of growth of vascular smooth muscle cells, which contributes to the anti-inflammatory response to vessel wall trauma. Three transcript variants encoding different isoforms have been found for this gene.

Function: Actin-binding protein that enhances membrane ruffling and RAC activation. Enhances the actin-bundling activity of LCP1. Binds calcium. Plays a role in RAC signaling and in phagocytosis. May play a role in macrophage activation and function. Promotes the proliferation of vascular smooth muscle cells and of T-lymphocytes. Enhances lymphocyte migration. Plays a role in vascular inflammation.

Subunit Structure: Homodimer (Potential). Monomer. Interacts with LCP1.

Post-translational Modifications: Phosphorylated on serine residues.

NCBI AND UNIPROT INFORMATION

NCBI GI #	974987466
NCBI GeneID	199
NCBI Accession #	NP_001305899.1
NCBI GenBank Nucleotide #	NM_001318970.1
UniProt Accession #	P55008; O43904; Q9UIV4; Q9UKS9; A8K406
Molecular Weight	Observed: 17 kDa Predicted: 17 kDa
NCBI Official Full Name	allograft inflammatory factor 1 isoform 1
NCBI Official Synonym Full Names	allograft inflammatory factor 1
NCBI Official Symbol	AIF1
NCBI Official Synonym Symbols	IBA1; IRT1; AIF-1; IRT-1
NCBI Protein Information	allograft inflammatory factor 1
UniProt Protein Name	Allograft inflammatory factor 1
UniProt Gene Name	AIF1
UniProt Synonym Gene Names	G1; IBA1; AIF-1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/aif1-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/326928>