

Rabbit AIF1/Iba1 Polyclonal Antibody | anti-AIF1 antibody

AIF1/Iba1

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA72830	Rabbit	Reactivity assumed based on 100% sequence homology: Human	Immunocytochemistry, Western Blot

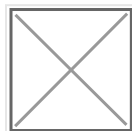
PRODUCT SYNONYMS

AIF1/Iba1; Polyclonal Antibody; AIF-1; IBA1; allograft inflammatory factor-1; Ionized calcium binding adaptor molecule 1; anti-AIF1 antibody

PRODUCT SPECIFICATIONS

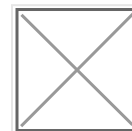
Host	Rabbit
Reactivity	Reactivity assumed based on 100% sequence homology: Human
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified from Pooled Serum
Form/Format	100ul in 10 mM HEPES (pH 7.5), 150 mM NaCl, 100ug BSA per ml and 50% glycerol.
Applicable Applications for anti-AIF1 antibody	ICC (Immunocytochemistry), WB (Western Blot)
Species Positively Tested	Mouse
Immunogen Species	Human
Immunogen Information	Full-length human AIF1 expressed in and purified from E Coli
Antigen	The antigen is full-length human AIF1/Iba1 protein expressed in and purified from E Coli. The antibody was prepared from pooled rabbit serum by affinity purification using a column to which the protein immunogen was coupled.
Preparation and Storage	Storage at -20 degree C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20 degree C. Shipping: Blue Ice Country of Origin: USA

IMAGES



Application Data

DYKDDDDK-tagged AIF1 transfected COS cells showing AIF1 staining in red (Cat.# AAA72830, 1:50) and DYKDDDDK staining in green causing positive transfected cells to appear yellow. DNA is stained blue with DAPI.



WB (Western Blot)

Western blot of mouse spleen lysate showing specific immunolabeling of the ~17 kDa AIF1/Iba1 protein.

ADDITIONAL INFORMATION

Related Product Information for anti-AIF1 antibody	AIF1, allograft inflammatory factor-1, (also known as Iba1, Ionized calcium binding adaptor molecule 1) is a 17 kDa protein that is a pro-inflammatory molecule that mediates calcium signals (Ito, D. et al 1998). During inflammation, increased expression of AIF1 occurs in microglia, macrophages, T-cells, synoviocytes, and adipocytes (Watano, K., et al, 2001). Expression of AIF-1 has been observed in healthy brains and varies throughout the day, gaining the highest expression in the prefrontal and parietal cortices when sleeping (Romcy-Pereira, R.N, et al, 2009). Increased expression of AIF1 has been observed in several diseases including breast cancer (Liu, S., et al 2008), atherosclerosis (Utans, U., et al, 1995), and rheumatoid arthritis (Kimura, M., et al, 2007).
Product Categories/Family for anti-AIF1 antibody	Cell Markers; Glial and Schwann Cell Markers

NCBI AND UNIPROT INFORMATION

NCBI GI #	1703217
NCBI GeneID	199
UniProt Accession #	P55008; O43904; Q9UIV4; Q9UKS9; A8K406
Molecular Weight	147
NCBI Official Full Name	Allograft inflammatory factor 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; protein G1; interferon gamma responsive transcript; ionized calcium-binding adapter molecule 1; allograft inflammatory factor-1 splice variant Hara-1
UniProt Protein Name	Allograft inflammatory factor 1
UniProt Gene Name	AIF1
UniProt Synonym Gene Names	G1; IBA1; AIF-1
UniProt Entry Name	AIF1_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/aif1-iba1-antibody-immunocytochemistry-western-blot-elisa/72830>