Rabbit AIF1/IBA1 Polyclonal Antibody | anti-AIF1 antibody

AIF1/IBA1 Rabbit anti-Rat Polyclonal (aa1-147) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA162611	**Rabbit**	**Mouse, Rat, Human**	**Western Blot, Immunohistochemistry, Immunohistochemistry**

PRODUCT SYNONYMS

AIF1/IBA1; Polyclonal Antibody; AIF1/IBA1 Rabbit anti-Rat Polyclonal (aa1-147) Antibody; PathPlus AIF1/IBA1 Antibody (aa1-147); AIF1; AIF-1; Em:AF129756.17; G1; IRT-1; Protein G1; IBA1; IRT1; anti-AIF1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse, Rat, Human
Clonality	Polyclonal
Specificity	The antibody is a rabbit polyclonal antibody raised against AIF1.
Purity/Purification	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
Form/Format	0.01 M PBS, pH7.4, 0.05% ProClin 300, 50% Glycerol
Concentration	0.7mg/ml (varies by lot)
Applicable Applications for anti-AIF1 antibody	WB (Western Blot), IHC (Immunohistochemistry), IHC (Immunohistochemistry)
Target	Rat AIF1/IBA1
Immunogen	Recombinant AIF1 (Met1-Pro147) expressed in E Coli.
Conjugation	Unconjugated
Epitope	aa1-147
Preparation and Storage	Avoid repeated freeze/thaw cycles. Store at 4 degree C for frequent use. Aliquot and store at -20 degree C for 12 months.

IMAGES

IHC (Immunohistochemistry)
AIF1/IBA1 Antibody-Human Tonsil: Formalin-Fixed, Paraffin-Embedded (FFPE). This image was taken for the unconjugated form of this product. Other forms have not been tested.

WB (Western Blot)
AIF1/IBA1 Antibody-Western blot of recombinant AIF1/IBA1. This image was taken for the unconjugated form of this product. Other forms have not been tested.

WB (Western Blot)
AIF1/IBA1 Antibody-Western Blot; Sample: Recombinant AIF1, Rat.

WB (Western Blot)
AIF1/IBA1 Antibody-Western Blot; Sample: Lane1: Rat Spleen Tissue; Lane2: Rat Lung Tissue.

ADDITIONAL INFORMATION

Related Product Information for anti-AIF1 antibody	IBA1 antibody is an unconjugated rabbit polyclonal antibody to IBA1 (AIF1)(aa1-147) from rat. It is reactive with human, mouse and rat. Validated for IHC and WB. AIF1 (allograft inflammatory factor 1, IBA1) is an actin- and calcium-binding protein that enhances membrane ruffling and RAC activation. It is expressed in microglia in the central nervous system and in macrophages, where it plays a role in RAC signaling, phagocytosis, macrophage activation and function, vascular inflammation. Furthermore, it promotes the proliferation of vascular smooth muscle cells and T-lymphocytes. In immunohistochemistry, AIF1 serves as a marker for microglia and for macrophages. In cancer, it can also be used to differentiate malignant reticuloses (AIF1 positive) from astrocytomas (negative). In normal tissues, AIF1 has cytoplasmic and membranous positivity in immune cells, with particularly high expression in macrophages in the lung.
References	J Neurochem. 2004 Feb;88(4):844-56, PMID: 14756805; Mol Med. 2015; 21(1): 233 -241, PMID: 25569805; Neuroscience and Behavioral Physiology. March 2016, Volume 46, Issue 3, pp 284 -290; J Toxicol Pathol. 2013 Mar; 26(1): 55 -60, PMID: 23723569

NCBI AND UNIPROT INFORMATION

NCBI GI #	4758612
NCBI GeneID	199
NCBI Accession #	NP_004838.1
NCBI GenBank Nucleotide #	NM_004847
UniProt Accession #	P55008; O43904; Q9UIV4; Q9UKS9; A8K406
Molecular Weight	14,617 Da
NCBI Official Full Name	allograft inflammatory factor 1 isoform 2
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-western-blot-immunohistochemistry-immunohistochemistry-elisa/162611