

Rabbit AIF1/IBA1 Polyclonal Antibody | anti-AIF1 antibody

AIF1/IBA1 Rabbit anti-Human Polyclonal Antibody

CATALOG # AAA163332	HOST Rabbit	REACTIVITY Mouse, Rat, Human	APPLICATIONS Western Blot, Immunohistochemistry
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PRODUCT SYNONYMS

AIF1/IBA1; Polyclonal Antibody; AIF1/IBA1 Rabbit anti-Human Polyclonal Antibody; PathPlus AIF1/IBA1 Antibody; AIF1; AIF-1; Em:AF129756.17; G1; IRT-1; Protein G1; IBA1; IRT1; anti-AIF1 antibody

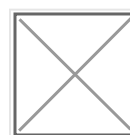
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse, Rat, Human
Clonality	Polyclonal
Specificity	Recognizes endogenous levels of IBA1 protein.
Purity/Purification	Immunoaffinity chromatography
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH7.3, 30% glycerol, and 0.01% sodium azide.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-AIF1 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Target	Human AIF1/IBA1
Immunogen	Recombinant full length protein of human IBA1
Conjugation	Unconjugated
Preparation and Storage	Aliquot and store at -20 degree C for 1 year. Avoid freeze/thaw cycles.

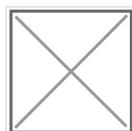
IMAGES



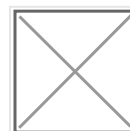
IHC (Immunohistochemistry)
AIF1/IBA1 Antibody-Human Spleen: Formalin-Fixed, Paraffin-Embedded (FFPE)



IHC (Immunohistochemistry)
AIF1/IBA1 Antibody-Human Thymus: Formalin-Fixed, Paraffin-Embedded (FFPE)



IHC (Immunohistochemistry)
AIF1/IBA1 Antibody-Human Tonsil: Formalin-Fixed, Paraffin-Embedded (FFPE)



WB (Western Blot)
AIF1/IBA1 Antibody

ADDITIONAL INFORMATION

Related Product Information for anti-AIF1 antibody	IBA1 antibody is an unconjugated rabbit polyclonal antibody to IBA1 (AIF1) from human. 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 reticulosos (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.