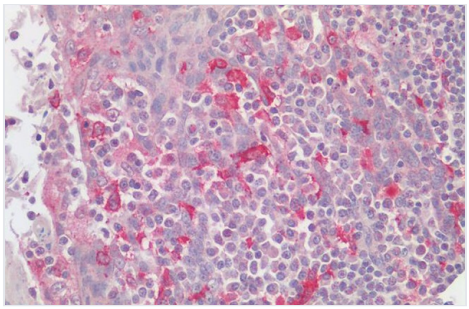
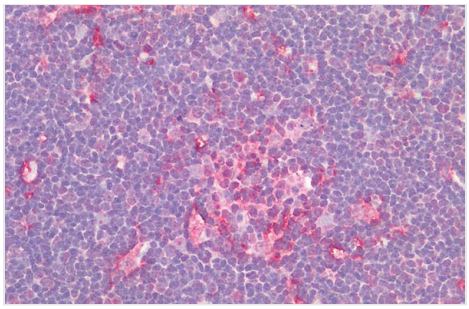
AIF1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

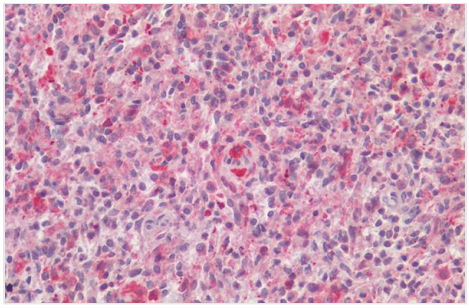
Product Name	AIF1/IBA1, Polyclonal Antibody
Full Product Name	AIF1/IBA1 Rabbit anti-Human Polyclonal (N-Terminal) Antibody
Product Gene Name	anti-AIF1 antibody
Product Synonym Names	IHC-plus AIF1/IBA1 Antibody (N-Terminal); AIF1; AIF-1; Em:AF129756.17; G1; IRT-1; Protein G1; IBA1; IRT1
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	PBS, 0.1% Sodium Azide
Purity/Purification	Immunoaffinity purified
Concentration	1mg/ml (lot specific)
Preparation and Storage	Aliquot and store undiluted at -20 degree C or below for up to 1 year. Can be stored undiluted at 4 degree C for up to 1 month. Avoid freeze-thaw cycles.
Molecular Weight	14,617 Da
OMIM	601833
3D Structure	ModBase 3D Structure for P55008
Target	Human AIF1/IBA1
Immunogen	Synthetic peptide from the N-terminal region of hums AIF1 (P55008)
Conjugation	Unconjugated
Epitope	N-Terminal
Applications Tested/Suitable for anti-AIF1 antibody	Immunohistochemistry-Paraffin (IHC-P)
Related Product Information for anti-AIF1 antibody	IBA1 antibody is an unconjugated rabbit polyclonal antibody to IBA1 (AIF1)(N-Terminal) from human. Validated for IHC. Tested on 20 paraffin-embedded human tissues.
Other Notes	Small volumes of anti-AIF1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for AIF1 purchase	MBS2403869 is an antibody targeting AIF1. Also known as AIF1/IBA1 Rabbit anti-Human Polyclonal (N-Terminal) Antibody. Reactive in Human. Host: Rabbit.



Immunohistochemistry (IHC) of anti-AIF1 antibody
AIF1/IBA1 Antibody-Human Tonsil: Formalin-Fixed, Paraffin-Embedded (FFPE) HIER using 10 mM sodium citrate buffer pH 6.0



Immunohistochemistry (IHC) of anti-AIF1 antibody
AIF1/IBA1 Antibody-Human Thymus: Formalin-Fixed, Paraffin-Embedded (FFPE) HIER using 10 mM sodium citrate buffer pH 6.0



Immunohistochemistry (IHC) of anti-AIF1 antibody
AIF1/IBA1 Antibody-Human Spleen: Formalin-Fixed, Paraffin-Embedded (FFPE) HIER using 10 mM sodium citrate buffer pH 6.0

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for AIF1. It may not necessarily be applicable to this product.

NCBI GI #	4758612
NCBI GeneID	199
NCBI Accession #	NP_004838.1
UniProt Primary Accession #	P55008
UniProt Secondary Accession #	O43904; Q9UIV4; Q9UKS9; A8K406
UniProt Related Accession #	P55008
GenBank Nucleotide #	NM_004847
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
UniProt Protein Name	Allograft inflammatory factor 1
UniProt Synonym Protein Names	Ionized calcium-binding adapter molecule 1; Protein G1
Protein Family	Allograft inflammatory factor
UniProt Gene Name	AIF1
UniProt Synonym Gene Names	G1; IBA1; AIF-1
UniProt Entry Name	AIF1_HUMAN

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 Comments for AIF1	AIF1: 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. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Cytoskeletal Chromosomal Location of Human Ortholog: 6p21.3 Cellular Component: perinuclear region of cytoplasm; lamellipodium; cytoplasm; actin filament; perikaryon; nucleus; cytosol; phagocytic cup Molecular Function: actin filament binding; calcium ion binding Biological Process: actin filament bundle formation; positive regulation of nitric oxide biosynthetic process; negative regulation of smooth muscle cell proliferation; positive regulation of smooth muscle cell proliferation; microglial cell activation; Rac protein signal transduction; cellular response to hormone stimulus; actin filament polymerization; positive regulation of muscle hyperplasia; cellular response to extracellular stimulus; positive regulation of T cell proliferation; response to axon injury; positive regulation of protein amino acid phosphorylation; phagocytosis, engulfment; response to electrical stimulus; inflammatory response; negative regulation of apoptosis
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