

Rabbit anti-Human Iba1 Monoclonal Antibody | anti-AIF1 antibody

Recombinant Anti-Iba1 Antibody, Rabbit Monoclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255731	Rabbit	Human	Immunoprecipitation, ELISA, Western Blot

PRODUCT SYNONYMS

Iba1; Monoclonal Antibody; Recombinant Anti-Iba1 Antibody; Rabbit Monoclonal; IBA1/AIF1 Antibody; Rabbit MAb; allograft inflammatory factor 1; Anti-AIF-1 Antibody; Anti-IBA1 Antibody; Anti-IRT-1 Antibody; Anti-IRT1 Antibody; anti-AIF1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	145
Specificity	Human IBA1/AIF1
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-AIF1 antibody	IP (Immunoprecipitation), ELISA, WB (Western Blot)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant Human IBA1/AIF1 Protein
Conjugation	Unconjugated
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Human IBA1/AIF1 (rh IBA1/AIF1).
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IP (Immunoprecipitation)

AIF1 was immunoprecipitated using: Lane A: 0.5 mg HepG2 Whole Cell Lysate Lane B: 0.5 mg THP-1 Whole Cell Lysate 2 uL anti-AIF1 rabbit monoclonal antibody and 15 ul of 50 % Protein G agarose. Primary antibody: Anti-AIF1 rabbit monoclonal antibody, at 1:100 dilution Secondary antibody: Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution Developed using the odssey technique. Performed under reducing conditions. Predicted band size: 17 kDa Observed band size: 17 kDa



WB (Western Blot)

Anti-AIF1 rabbit monoclonal antibody at 1:500 dilution Lane A: THP-1 Whole Cell Lysate Lane B: HL-60 Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 17 kDa Observed band size: 15 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-AIF1 antibody	AIF1, also known as IBA1, is an actin-binding protein. AIF1 is expressed selectively in human macrophage-like cell lines, and in a subset of CD68(+) macrophages in the interstitial and perivascular spaces of human heart allografts. It is expressed in macrophages and neutrophils. AIF1 enhances membrane ruffling and RAC activation. AIF1 enhances the actin-bundling activity of LCP1. It also enhances lymphocyte migration. AIF1 may play a role in macrophage activation and function. It binds calcium and plays a role in RAC signaling and in phagocytosis. It promotes the proliferation of vascular smooth muscle cells and of T-lymphocytes.
Product Categories/Family for anti-AIF1 antibody	Calcium-binding Proteins and Related Molecules
References	Albertella M.R., et al., (1994), Characterization of a novel gene in the human major histocompatibility complex that encodes a potential new member of the I kappa B family of proteins. Hum. Mol. Genet. 3:793-799.Holzinger I., et al., (1995), Cloning and genomic characterization of LST1: a new gene in the human TNF region.Immunogenetics 42:315-322.Autieri M.V., et al., (1996), cDNA cloning of human allograft inflammatory factor-1: tissue distribution, cytokine induction, and mRNA expression in injured rat carotid arteries.Biochem. Biophys. Res. Commun. 228:29-37.

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.