

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

Anti-Iba1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA46730	Rabbit	Human	Immunohistochemistry, Western Blot

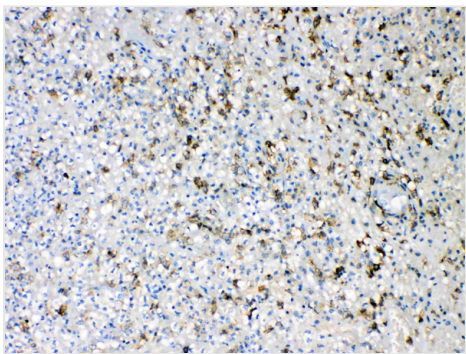
PRODUCT SYNONYMS

Iba1; Polyclonal Antibody; Anti-Iba1 Antibody; AIF 1; AIF-1; AIF1 protein; allograft inflammatory factor 1; G1; IBA1; IBA 1; P55008; Allograft inflammatory factor 1; anti-AIF1 antibody

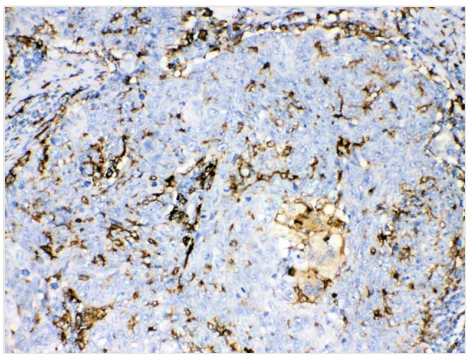
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	93
Applicable Applications for anti-AIF1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Notes	Tested Species: In-house tested species with positive results. By Heat: Boiling the paraffin sections in 10mM citrate buffer, pH6.0, for 20mins is required for the staining of formalin/paraffin sections. Other applications have not been tested.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Iba1 (99-133aa ETFSYPDFLRMMLGKRSAILKMILMYEEKAREKEK), different from the related mouse sequence by seven amino acids, and from the related rat sequence by six amino acids.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

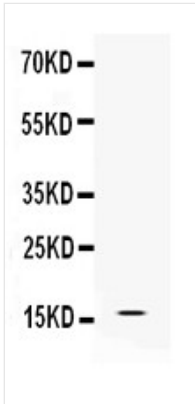
IMAGES



IHC (Immunohistochemisry)
Iba1 was detected in paraffin-embedded sections of human Appendicitis tissues using rabbit anti- Iba1 Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



IHC (Immunohiostchemistry)
Iba1 was detected in paraffin-embedded sections of human lung cancer tissues using rabbit anti- Iba1 Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



WB (Western Blot)
Western blot analysis of Iba1 expression in human blood extract (lane 1). Iba1 at 17KD was detected using rabbit anti- Iba1 Antigen Affinity purified polyclonal antibody at 0.5ug/mL. The blot was developed using chemiluminescence (ECL) method.

ADDITIONAL INFORMATION

Related Product Information for anti-AIF1 antibody	Rabbit IgG polyclonal antibody for Allograft inflammatory factor 1(AIF1) detection. Background: Allograft inflammatory factor 1 (AIF-1), also known as ionized calcium-binding adapter molecule 1(IBA1), is a protein that in humans is encoded by the AIF1 gene. This gene encodes a protein that binds actin and calcium. And this gene is induced by cytokines and interferon and may promote macrophage activation and growth of vascular smooth muscle cells and T-lymphocytes. Polymorphisms in this gene may be associated with systemic sclerosis. Alternative splicing results in multiple transcript variants, but the full-length and coding nature of some of these variants is not certain.
References	1. "Entrez Gene: AIF1 allograft inflammatory factor 1". 2. Utans U, Arceci RJ, Yamashita Y, Russell ME (June 1995). "Cloning and characterization of allograft inflammatory factor-1: a novel macrophage factor identified in rat cardiac allografts with chronic rejection". J. Clin. Invest. 95 (6): 2954-62. 3. Tian Y, Jain S, Kelemen SE, Autieri MV (February 2009). "AIF-1 expression regulates endothelial cell activation, signal transduction, and vasculogenesis". Am. J. Physiol., Cell Physiol. 296 (2): C256-66.

NCBI AND UNIPROT INFORMATION

NCBI GI #	974987466
NCBI GeneID	199
NCBI Accession #	NP_001305899.1
NCBI GenBank Nucleotide #	NM_001318970.1

UniProt Accession #	P55008 ; O43904 ; Q9UIV4 ; Q9UKS9 ; A8K406
Molecular Weight	14,617 Da
NCBI Official Full Name	allograft inflammatory factor 1 isoform 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
UniProt Protein Name	Allograft inflammatory factor 1
UniProt Gene Name	AIF1
UniProt Synonym Gene Names	G1; IBA1; AIF-1

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/iba1-antibody-immunohistochemistry-western-blot-elisa/46730>