

Goat AIF1 / IBA1 Polyclonal Antibody | anti-AIF1 antibody

Goat Polyclonal to Human AIF1 / IBA1

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA50875	Goat	Gibbon, Dog, Gorilla, Horse, Human, Pig Predicted Reactivity: Monkey, Mouse, Rat, Bat, Bovine, Goat (at least 90% immunogen sequence identity)	ELISA, Western Blot, Immunohistochemistry

PRODUCT SYNONYMS

AIF1 / IBA1; Polyclonal Antibody; Goat Polyclonal to Human AIF1 / IBA1; Anti-AIF1 / IBA1 Antibody (Internal) IHC-plus; AIF1; AIF-1; Em:AF129756.17; G1; IRT-1; Protein G1; IBA1; IRT1; Human AIF1; anti-AIF1 antibody

PRODUCT SPECIFICATIONS

Host	Goat
Reactivity	Gibbon, Dog, Gorilla, Horse, Human, Pig Predicted Reactivity: Monkey, Mouse, Rat, Bat, Bovine, Goat (at least 90% immunogen sequence identity)
Clonality	Polyclonal
Specificity	Human AIF1 / IBA1. This antibody is expected to recognise isoform 3 (NP_001614.3) only.
Purity/Purification	Immunoaffinity Purified
Form/Format	Tris-buffered saline, pH 7.3, 0.5% BSA, 0.02% sodium azide
Concentration	0.5 mg/ml (varies by lot)
Sequence Length	132
Applicable Applications for anti-AIF1 antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry)
Target Species	Human
Immunogen Description	Synthetic peptide C-NKQFLDDPKYSSDED from an internal region of human AIF1 / IBA1 (NP_001614.3). Percent identity by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Elephant, Panda, Dog, Horse, Pig (100%); Marmoset, Mouse, Rat, Goat, Bovine, Bat (93%).
Immunogen Type	Synthetic peptide
Immunogen	AIF1 / IBA1 antibody was raised against synthetic peptide C-NKQFLDDPKYSSDED from an internal region of human AIF1 / IBA1 (NP_001614.3). Percent identity by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Elephant, Panda, Dog, Horse, Pig (100%); Marmoset, Mouse, Rat, Goat, Bovine, Bat (93%); Rabbit (87%); Platypus (80%).
Antigen Modification	Internal
Preparation and Storage	Store at -20 degree C. Minimize freezing and thawing.

IMAGES



WB (Western Blot)

Antibody (1 ug/ml) staining of Human Peripheral Blood Mononucleocyte lysate (35 ug protein in RIPA buffer) with (B) and without (A) blocking with the immunizing peptide. Primary incubation was 1 hour. Detected by chemiluminescence.



IHC (Immunohistochemistry)

Anti-AIF1 / IBA1 antibody IHC of human placenta. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-AIF1 antibody	Allograft inflammatory Factor 1 (AIF1) is a calcium binding peptide produced by activated monocytes and microglial cells. AIF1 expression is associated with chronic inflammatory processes and is also transiently expressed in response to vascular trauma.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4758612
NCBI GeneID	199
NCBI Accession #	NP_004838.1
NCBI GenBank Nucleotide #	NM_004847.3
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.