

# Goat anti-AIF1 / IBA1 (isoform 1 and 3), biotinylated Antibody

Peptide-affinity purified goat antibody Catalog # AF4347a

## **Specification**

# Goat anti-AIF1 / IBA1 (isoform 1 and 3), biotinylated Antibody - Product Information

Application
Primary Accession
Other Accession
Reactivity
Host
Clonality

Calculated MW

WB, Pep-ELISA P55008 NP\_116573.1, NP\_

NP\_116573.1, NP\_004838.1, NP\_001614.3

Human, Mouse, Rat, Pig

Goat Polyclonal 16703

# Goat anti-AIF1 / IBA1 (isoform 1 and 3), biotinylated Antibody - Additional Information

#### Gene ID 199

## **Other Names**

AIF1; allograft inflammatory factor 1; AIF-1; IBA1; IRT-1; IRT1; allograft inflammatory factor-1 splice variant Hara-1; interferon gamma responsive transcript; ionized calcium-binding adapter molecule 1; protein G1

### **Dilution**

WB~~1:1000 Pep-ELISA~~N/A

### **Format**

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.

#### **Immunogen**

This antibody is expected to recognize isoform 1 (NP 116573.1) and isoform 3 (NP 001614.3).

#### **Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

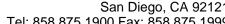
# **Precautions**

Goat anti-AIF1 / IBA1 (isoform 1 and 3), biotinylated Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## Goat anti-AIF1 / IBA1 (isoform 1 and 3), biotinylated Antibody - Protein Information

Name AIF1

Synonyms G1, IBA1





### **Function**

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.

#### **Cellular Location**

Cytoplasm, cytoskeleton {ECO:0000250|UniProtKB:070200}. Cell projection, ruffle membrane {ECO:0000250|UniProtKB:070200}; Peripheral membrane protein {ECO:0000250|UniProtKB:O70200}; Cytoplasmic side {ECO:0000250|UniProtKB:O70200}. Cell projection, phagocytic cup {ECO:0000250|UniProtKB:O70200}. Note=Associated with the actin cytoskeleton at membrane ruffles and at sites of phagocytosis {ECO:0000250|UniProtKB:070200}

### **Tissue Location**

Detected in T-lymphocytes and peripheral blood mononuclear cells.

### Goat anti-AIF1 / IBA1 (isoform 1 and 3), biotinylated Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Goat anti-AIF1 / IBA1 (isoform 1 and 3), biotinylated Antibody - Images