

**Goat anti-AIF1 / IBA1 (isoform 1 and 3), biotinylated Antibody**  
Peptide-affinity purified goat antibody  
Catalog # AF4347a

**Specification**

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

Application	<b>WB, Pep-ELISA</b>
Primary Accession	<a href="#">P55008</a>
Other Accession	<a href="#">NP_116573.1</a> , <a href="#">NP_004838.1</a> , <a href="#">NP_001614.3</a>
Reactivity	<b>Human, Mouse, Rat, Pig</b>
Host	<b>Goat</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>16703</b>

**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

**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:O70200}. Cell projection, ruffle membrane {ECO:0000250|UniProtKB:O70200}; 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:O70200}

**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](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

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