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

Peptide-affinity purified goat antibody
Catalog # AF4347a

Product Information

Application	WB, Pep-ELISA
Primary Accession	P55008
Other Accession	NP_116573.1, NP_004838.1, NP_001614.3
Reactivity	Human, Mouse, Rat, Pig
Host	Goat
Clonality	Polyclonal
Clone Names	AIF1
Calculated MW	16703

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.

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.