

**AIF1 Antibody (C-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP11202b****Specification**

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**AIF1 Antibody (C-term) Blocking peptide - Product Information**Primary Accession [P55008](#)**AIF1 Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 199**Other Names**

Allograft inflammatory factor 1, AIF-1, Ionized calcium-binding adapter molecule 1, Protein G1, AIF1, G1, IBA1

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**AIF1 Antibody (C-term) Blocking peptide - 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.

**AIF1 Antibody (C-term) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

**AIF1 Antibody (C-term) Blocking peptide - Images****AIF1 Antibody (C-term) Blocking peptide - Background**

This gene is induced by cytokines and interferon. Its protein product is thought to be involved in negative regulation of growth of vascular smooth muscle cells, which contributes to the anti-inflammatory response to vessel wall trauma. Three transcript variants encoding different isoforms have been found for this gene.

**AIF1 Antibody (C-term) Blocking peptide - References**

Clancy, R.M., et al. Arthritis Rheum. 62(11):3415-3424(2010) Ucisik-Akkaya, E., et al. Mol. Hum. Reprod. 16(10):770-777(2010) Davila, S., et al. Genes Immun. 11(3):232-238(2010) Jia, J., et al. Pediatr. Res. 67(1):29-34(2010) Barcellos, L.F., et al. PLoS Genet. 5 (10), E1000696 (2009) :