

**AIF1 / IBA1 Antibody**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS16961****Specification**

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**AIF1 / IBA1 Antibody - Product Information**

Application	IHC
Primary Accession	<a href="#">P55008</a>
Other Accession	<a href="#">199</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	16703

**AIF1 / IBA1 Antibody - Additional Information****Gene ID** 199**Other Names**

AIF1, AIF-1, Em:AF129756.17, G1, IRT-1, Protein G1, IBA1, IRT1

**Reconstitution & Storage**

PBS, pH 7.4, 0.02% sodium azide. Store at -20°C for up to one year.

**Precautions**

AIF1 / IBA1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**AIF1 / IBA1 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.

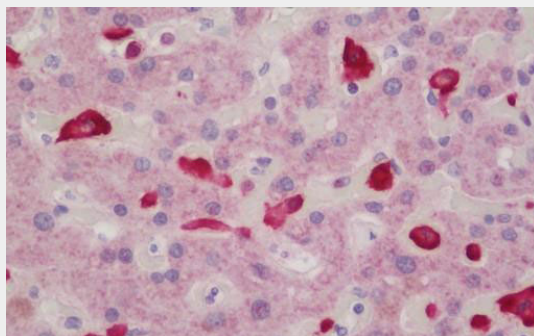
**Volume**

50  $\mu$ l

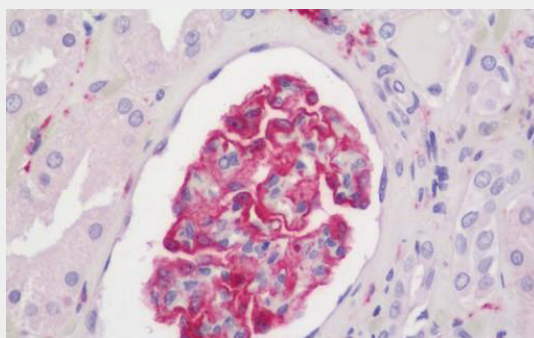
**AIF1 / IBA1 Antibody - Protocols**

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](#)

**AIF1 / IBA1 Antibody - Images**

Anti-AIF1 / IBA1 antibody IHC staining of human liver.



Anti-AIF1 / IBA1 antibody IHC staining of human kidney.

**AIF1 / IBA1 Antibody - Background**

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**AIF1 / IBA1 Antibody - References**

- Albertella M.R.,et al.Hum. Mol. Genet. 3:793-799(1994).  
Holzinger I.,et al.Immunogenetics 42:315-322(1995).  
Autieri M.V.,et al.Biochem. Biophys. Res. Commun. 228:29-37(1996).  
Utans U.,et al.Transplantation 61:1387-1392(1996).  
de Baey A.,et al.Genomics 45:591-600(1997).