

AIF1 / IBA1 Antibody (Internal)
Goat Polyclonal Antibody
Catalog # ALS12251

Specification

AIF1 / IBA1 Antibody (Internal) - Product Information

Application	IHC
Primary Accession	P55008
Reactivity	Human, Pig, Horse, Dog
Host	Goat
Clonality	Polyclonal
Calculated MW	17kDa KDa

AIF1 / IBA1 Antibody (Internal) - Additional Information

Gene ID 199

Other Names

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

Target/Specificity

Human AIF1 / IBA1. This antibody is expected to recognise isoform 3 (NP_001614.3) only.

Reconstitution & Storage

Store at -20°C. Minimize freezing and thawing.

Precautions

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

AIF1 / IBA1 Antibody (Internal) - 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

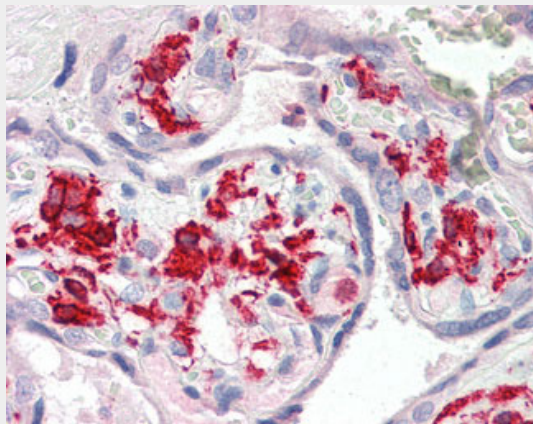
Detected in T-lymphocytes and peripheral blood mononuclear cells.

AIF1 / IBA1 Antibody (Internal) - 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 (Internal) - Images



Anti-AIF1 / IBA1 antibody IHC of human placenta.

AIF1 / IBA1 Antibody (Internal) - Background

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.

AIF1 / IBA1 Antibody (Internal) - References

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Holzinger I.,et al.Immunogenetics 42:315-322(1995).
Autieri M.V.,et al.Biochem. Biophys. Res. Commun. 228:29-37(1996).
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