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AIF1

Mouse Monoclonal antibody(Mab)
Catalog # AD80154

Specification

AIF1 - Product info

Application	**IHC-P, IHC**
Primary Accession	P55008
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Calculated MW	**16703**

AIF1 - Additional info

Gene ID	**199**
Gene Name	**AIF1**

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

Dilution
IHC-P~~Ready-to-use
IHC~~Ready-to-use

Storage
Maintain refrigerated at 2-8°C

Precautions	**AIF1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.**

AIF1 - 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**

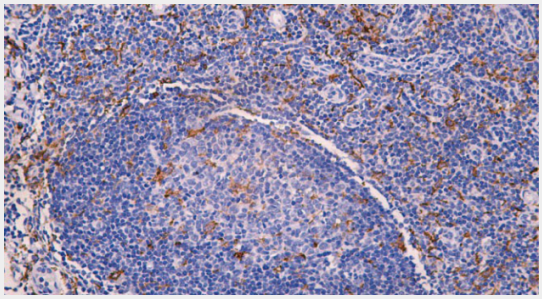
Tissue Location	**{ECO:0000250|UniProtKB:O70200}. Cell projection, ruffle membrane {ECO:0000250|UniProtKB:O70200}; Peripheral membrane protein {ECO:0000250|UniProtKB:O70200}; Cytoplasmic side {ECO:0000250|UniProtKB:O70200}. Cell projection, phagocytic cup {ECO:0000250|UniProtKB:O70200}. Note=Associated with the actin cytoskeleton at membrane ruffles and at sites of phagocytosis {ECO:0000250|UniProtKB:O70200} Detected in T-lymphocytes and peripheral blood mononuclear cells.**

AIF1 - Protocols

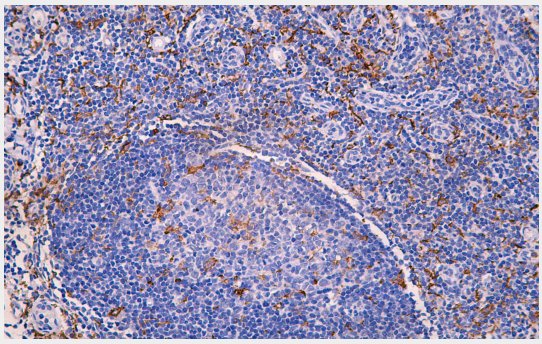
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

AIF1 - Images



Tonsil



Immunohistochemical analysis of paraffin-embedded human tonsil tissue using AD80154 performed on the Abcarta® FAIP-30 Fully automated IHC platform.Tissue was fixed with

formaldehyde at room temperature, antigen retrieval was by heat mediation with a Citrate buffer (pH6. 0).Samples were incubated with primary antibody(Ready-to-use) for 15 min at room temperature. AmpSeeTM Detection Systems□Abcepta:AR005□ was used as the secondary antibody.