

AIF1
Mouse Monoclonal antibody(Mab)
Catalog # AD80154**Specification**

AIF1 - Product info

Application	IHC-P
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

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****Function****G1, IBA1**

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**

Tissue Location

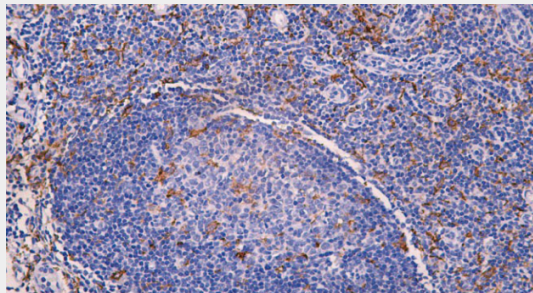
projection, ruffle membrane
{ECO:0000250|UniProtKB:O70200};
Peripheral membrane protein
{ECO:0000250|UniProtKB:O70200};
Cytoplasmic side
{ECO:0000250|UniProtKB:O70200}. Cell
projection, phagocytic cup
{ECO:0000250|UniProtKB:O70200}.
Note=Associated with the actin
cytoskeleton at membrane ruffles and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

AIF1 - Protocols

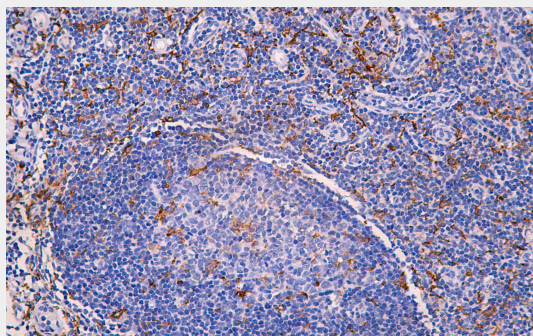
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [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. AmpSee™ Detection Systems [Abcepta:AR005] was used as the secondary antibody.