

Iba1 Antibody
Rabbit mAb
Catalog # AP91647

Specification

Iba1 Antibody - Product Information

| | |
|---------------------------|------------------------|
| Application | WB, IHC, ICC, IP |
| Primary Accession | P55008 |
| Reactivity | Rat |
| Clonality | Monoclonal |
| Other Names | |
| IBA1; IRT1; AIF-1; IRT-1; | |
| Isotype | Rabbit IgG |
| Host | Rabbit |
| Calculated MW | 16703 Da |

Iba1 Antibody - Additional Information

| | |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purification | Affinity-chromatography |
| Immunogen | A synthesized peptide derived from human Iba1 |
| Description | 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. |
| Storage Condition and Buffer | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle. |

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

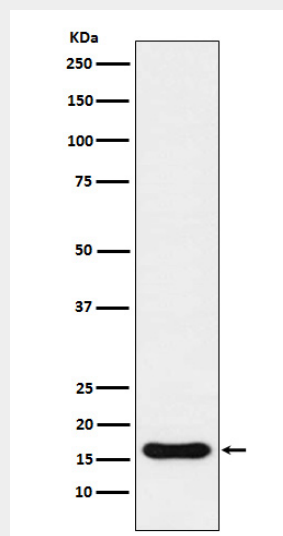
Detected in T-lymphocytes and peripheral blood mononuclear cells.

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](#)

Iba1 Antibody - Images



Western blot analysis of Iba1 expression in U937 cell lysate.