

# AIF1/IBA1 Rabbit mAb

Catalog No.: A19776   Recombinant   58 Publications

## Basic Information

### Observed MW

17kDa

### Calculated MW

17kDa

### Category

Primary antibody

### Applications

WB,IF-F,IF-P,IHC-P,ELISA

### Cross-Reactivity

Human, Mouse, Rat

### CloneNo number

ARC2301

## Background

Enables actin filament binding activity and calcium ion binding activity. Involved in several processes, including Rac protein signal transduction; actin filament organization; and ruffle assembly. Acts upstream of or within actin filament bundle assembly. Located in several cellular components, including actin filament; phagocytic cup; and ruffle membrane. Is expressed in adrenal cortex; central nervous system; embryo mesenchyme; and retina. Human ortholog(s) of this gene implicated in type 1 diabetes mellitus. Orthologous to human AIF1 (allograft inflammatory factor 1).

## Recommended Dilutions

**WB**                    1:1000 - 1:4000

**IF-F**                    1:200 - 1:2000

**IF-P**                    1:200 - 1:2000

**IHC-P**                    1:10000 - 1:40000

**ELISA**                    Recommended starting concentration is 1  $\mu$ g/mL.  
Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID

11629

### Swiss Prot

O70200(mouse),P55008(Human)

### Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

### Synonyms

G1; Iba1; AIF-1; D17H6S50E; AIF1/IBA1

## Contact

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 | [www.abclonal.com.cn](http://www.abclonal.com.cn)

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

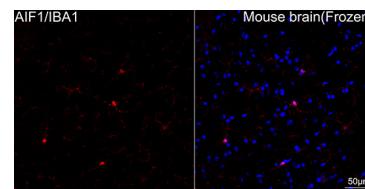
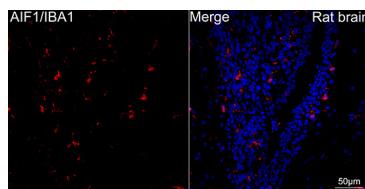
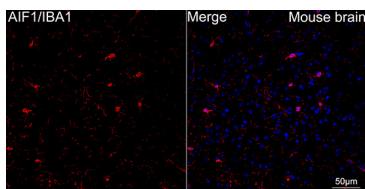
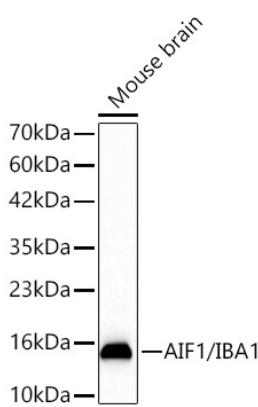
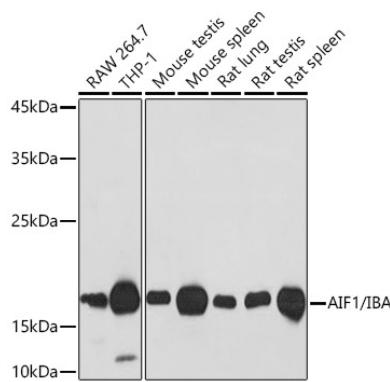
Affinity purification

### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% sodium azide,0.05% BSA,50% glycerol,pH7.3.

## Validation Data

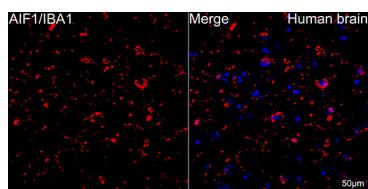


Confocal imaging of paraffin-embedded Mouse brain using AIF1/IBA1 Rabbit mAb (A19776, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x. Perform microwave antigen retrieval with 0.01M citrate buffer (pH 6.0) prior to IF staining.

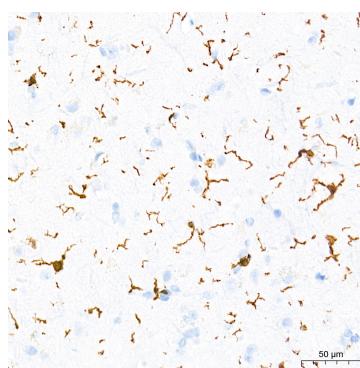
Confocal imaging of paraffin-embedded Rat brain using AIF1/IBA1 Rabbit mAb (A19776, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x. Perform microwave antigen retrieval with 0.01M citrate buffer (pH 6.0) prior to IF staining.

Confocal imaging of frozen sections Mouse brain tissue using AIF1/IBA1 Rabbit mAb (A19776, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.

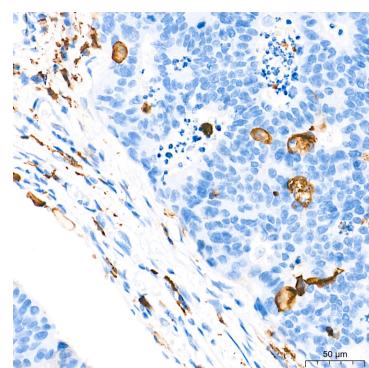
## Validation Data



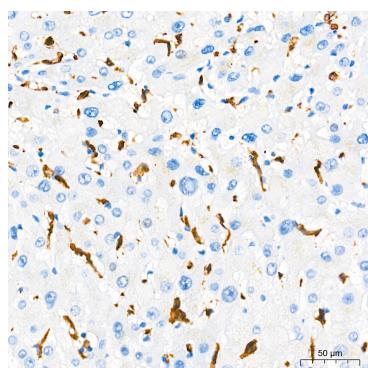
Confocal imaging of paraffin-embedded Human brain tissue using AIF1/IBA1 Rabbit mAb (A19776, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



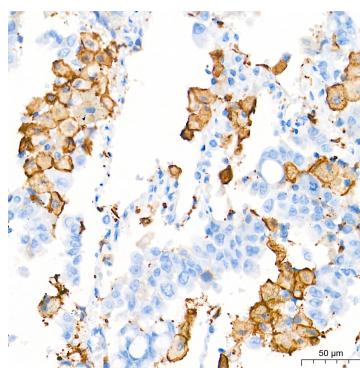
Immunohistochemistry analysis of paraffin-embedded Human brain tissue using AIF1/IBA1 Rabbit mAb (A19776) at a dilution of 1:20000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



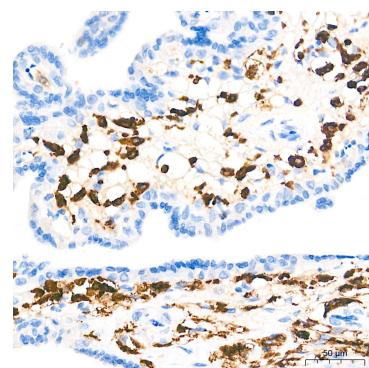
Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma tissue using AIF1/IBA1 Rabbit mAb (A19776) at a dilution of 1:20000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



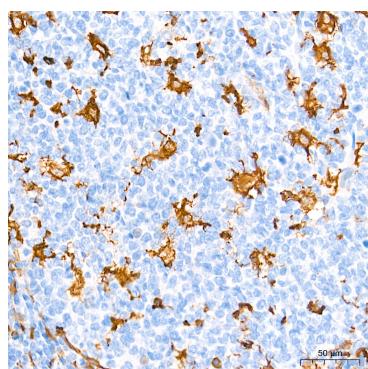
Immunohistochemistry analysis of paraffin-embedded Human liver tissue using AIF1/IBA1 Rabbit mAb (A19776) at a dilution of 1:20000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



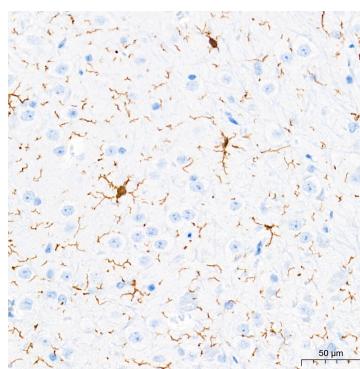
Immunohistochemistry analysis of paraffin-embedded Human lung cancer tissue using AIF1/IBA1 Rabbit mAb (A19776) at a dilution of 1:20000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



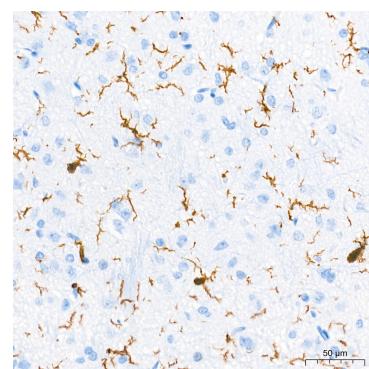
Immunohistochemistry analysis of paraffin-embedded Human placenta tissue using AIF1/IBA1 Rabbit mAb (A19776) at a dilution of 1:20000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using AIF1/IBA1 Rabbit mAb (A19776) at a dilution of 1:20000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



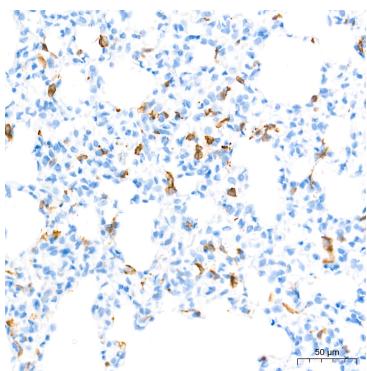
Immunohistochemistry analysis of paraffin-embedded Mouse brain tissue using AIF1/IBA1 Rabbit mAb (A19776) at a dilution of 1:20000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat brain tissue using AIF1/IBA1 Rabbit mAb (A19776) at a dilution of 1:20000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

## Validation Data

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Immunohistochemistry analysis of paraffin-embedded Rat lung tissue using AIF1/IBA1 Rabbit mAb (A19776) at a dilution of 1:20000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.