

**ABflo® 488 Conjugated AIF1/IBA1 Rabbit mAb****Catalog No.: A26032****Recombinant****Basic Information****Observed MW**

17 kDa

**Calculated MW**

17 kDa

**Category**

Monoclonal Antibodies

**Applications**

WB, IF-F, IF-P

**Cross Reactivity**

Human, Mouse, Rat

**Clone No.**

ARC2301-ABf488

**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**

|             |                  |
|-------------|------------------|
| <b>WB</b>   | 1:2500 - 1:10000 |
| <b>IF-F</b> | 1:100 - 1:400    |
| <b>IF-P</b> | 1:200 - 1:1000   |

**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

**Contact**

|                                                                                     |  |                                                                          |
|-------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------|
|  |  | 400-999-6126                                                             |
|  |  | <a href="mailto:cn.market@abclonal.com.cn">cn.market@abclonal.com.cn</a> |
|  |  | <a href="http://www.abclonal.com.cn">www.abclonal.com.cn</a>             |

**Product Information****Source**

Rabbit

**Isotype**

IgG

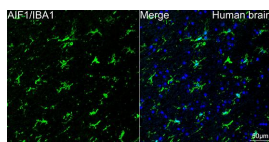
**Purity**

Affinity purification

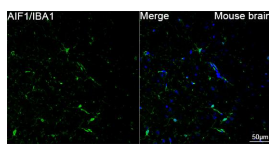
**Storage**

Store at -20°C

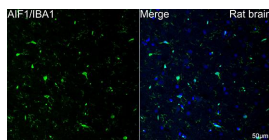
## Validation Data



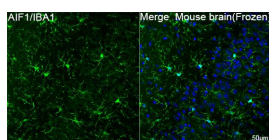
Confocal imaging of paraffin-embedded Human brain tissue using ABflo® 488 Conjugated AIF1/IBA1 Rabbit mAb (A26032, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IF staining. Objective: 40x.



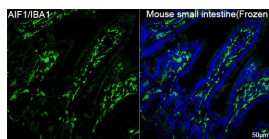
Confocal imaging of paraffin-embedded Mouse brain tissue using ABflo® 488 Conjugated AIF1/IBA1 Rabbit mAb (A26032, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IF staining. Objective: 40x.



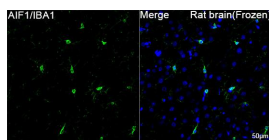
Confocal imaging of paraffin-embedded Rat brain tissue using ABflo® 488 Conjugated AIF1/IBA1 Rabbit mAb (A26032, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IF staining. Objective: 40x.



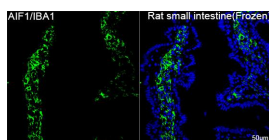
Confocal imaging of frozen sections of Mouse brain tissue using ABflo® 488 Conjugated AIF1/IBA1 Rabbit mAb (A26032, dilution 1:200) (Green). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



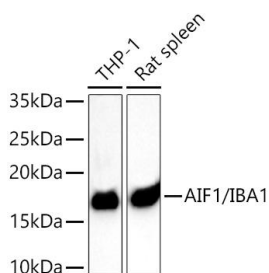
Confocal imaging of frozen sections of Mouse small intestine tissue using ABflo® 488 Conjugated AIF1/IBA1 Rabbit mAb (A26032, dilution 1:200) (Green). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



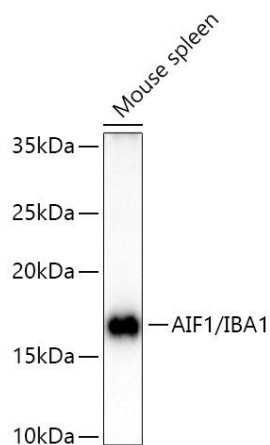
Confocal imaging of frozen sections of Rat brain tissue using ABflo® 488 Conjugated AIF1/IBA1 Rabbit mAb (A26032, dilution 1:200) (Green). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



Confocal imaging of frozen sections of Rat small intestine tissue using ABflo® 488 Conjugated AIF1/IBA1 Rabbit mAb (A26032, dilution 1:200) (Green). 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.



Western blot analysis of various lysates using ABflo® 488 Conjugated AIF1/IBA1 Rabbit mAb (A26032) at 1:5000 dilution incubated overnight at 4°C.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25 µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 20s.



Western blot analysis of lysates from Mouse spleen using ABflo® 488 Conjugated AIF1/IBA1 Rabbit mAb (A26032) at 1:5000 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 45s.