

ABflo® 647 Conjugated AIF1/IBA1 Rabbit mAb

Catalog No.: A26033 **Recombinant**

Basic Information

Observed MW

17kDa

Calculated MW

17kDa

Category

Primary antibody

Applications

WB, IF/ICC

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC2301-ABf647

Conjugate

ABflo® 647. Ex:648nm. Em:664nm.

Recommended Dilutions

WB 1:2500 - 1:10000

IF/ICC 1:200 - 1:1000

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).

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 | cn.market@abclonal.com.cn | www.abclonal.com.cn

Product Information

Source

Rabbit

Isotype

IgG

Purification

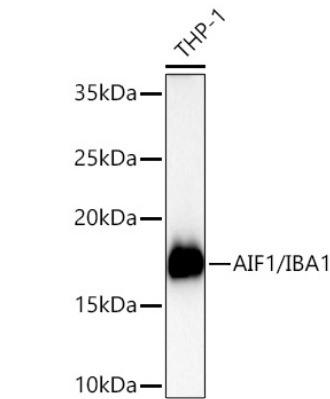
Affinity purification

Storage

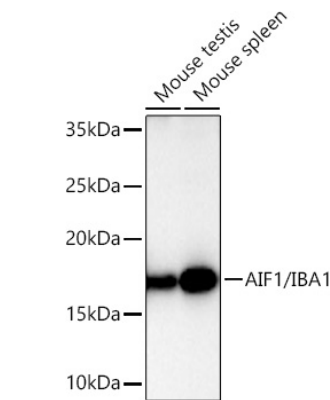
Store at -20°C. Avoid freeze.

Buffer: PBS containing 50% glycerol and 0.2% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

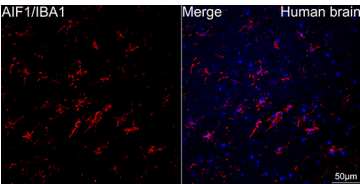
Validation Data



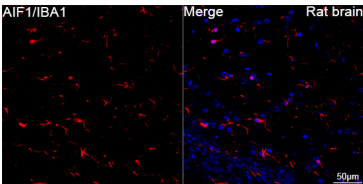
Western blot analysis of lysates from THP-1 cells using ABflo® 647 Conjugated AIF1/IBA1 Rabbit mAb (A26033) at 1:5000 dilution incubated overnight at 4°C.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 30s.



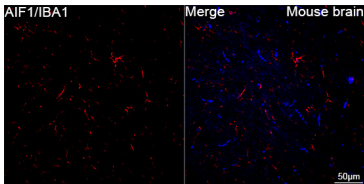
Western blot analysis of various lysates using ABflo® 647 Conjugated AIF1/IBA1 Rabbit mAb (A26033) at 1:5000 dilution incubated overnight at 4°C.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 60s.



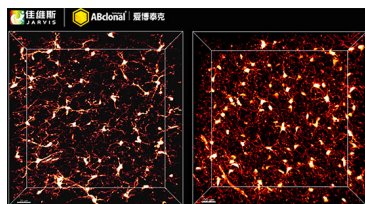
Confocal imaging of paraffin-embedded Human brain tissue using ABflo® 647 Conjugated AIF1/IBA1 Rabbit mAb (A26033, dilution 1:500). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IF staining. Objective: 40x.



Confocal imaging of paraffin-embedded Rat brain tissue using ABflo® 647 Conjugated AIF1/IBA1 Rabbit mAb (A26033, dilution 1:500). 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® 647 Conjugated AIF1/IBA1 Rabbit mAb (A26033, dilution 1:500). 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.



3D imaging of solvent-cleared mouse brain sections (at a thickness of 1 mm) using ABflo® 647 Conjugated AIF1/IBA1 Rabbit mAb (A26033, diluted at a ratio of 1:200) . FDISCO JA11011 was used for sample clearing. We acknowledge Jarvis (Wuhan) Bio - Pharma Co., Ltd. in 3D imaging processing and kindly providing this image.