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ABflo® 488 Conjugated AIF1/IBA1 Rabbit mAb

Catalog No.: A26032 Recombinant

Basic Information

Observed MW

17kDa

Calculated MW

17kDa

Category

Primary antibody

Applications

WB,IF-P

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC2301-ABf488

Conjugate

ABflo® 488. Ex:491nm. Em:516nm.

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 1:2500 - 1:10000 IF-P 1:200 - 1:1000

Immunogen Information

 Gene ID
 Swiss Prot

 11629
 O70200(mouse),P55008(Human)

Immunogen

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

Synonyms

G1; Iba1; AIF-1; D17H6S50E

Contact

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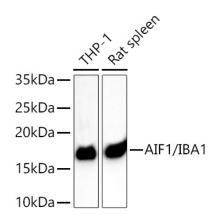
Product Information

SourceIsotypePurificationRabbitIgGAffinity 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.



Western blot analysis of various lysates using ABflo® 488 Conjugated AIF1/IBA1 Rabbit mAb (A26032) at 1:5000 dilution incubated overnight at 4°C.

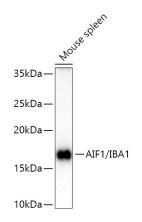
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

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.

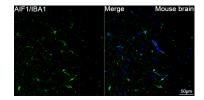
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

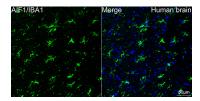
Lysates/proteins: 25 µg per lane.

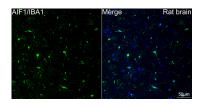
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 45s.







Confocal imaging of paraffin-embedded Mouse brain tissue using ABflo® 488 Conjugated AIF1/IBA1 Rabbit mAb (A26032, dilution 1:500). 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 Human brain tissue using ABflo® 488 Conjugated AIF1/IBA1 Rabbit mAb (A26032, 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® 488 Conjugated AIF1/IBA1 Rabbit mAb (A26032, 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.