

AIF1 Recombinant Rabbit mAb

Catalog Number: bsm-54132R

Target Protein: AIF1

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Recombinant

Clone No.: 9A3

Isotype: IgG

Applications: WB (1:500-1000), IHC-P (1:50-200), IHC-F (1:50-200), IF (1:50-200)

Reactivity: Human, Mouse, Rat

Predicted MW: 17 kDa

Entrez Gene: 199

Swiss Prot: P55008

Source: KLH conjugated synthetic peptide derived from human AIF1: 100-147/147.

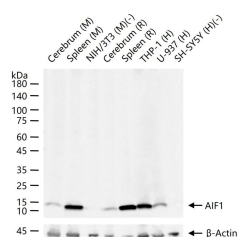
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

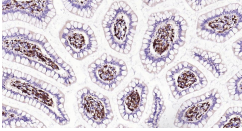
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: Allograft Inflammatory Factor-1 (AIF1) or ionized calcium-binding adaptor molecule 1 (Iba1) is expressed selectively in microglia/macrophages and is a Ca²⁺-binding peptide produced by activated monocytes and microglial cells. It has been suggested that AIF1 expression is associated with chronic inflammatory processes. AIF1 is expressed by activated monocytes and might participate in a variety of pathogenic processes in the mammalian brain and in chronic transplant rejection. It has been shown to be expressed early and persistently in chronically rejecting cardiac allografts but not in cardiac syngrafts and host hearts.

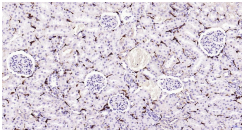
VALIDATION IMAGES



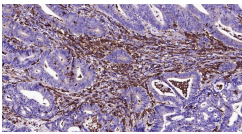
25 ug total protein per lane of various lysates (see on figure) probed with AIF1 (9A3) monoclonal antibody, unconjugated (bsm-54132R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



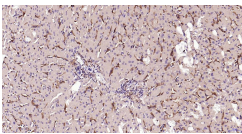
Paraformaldehyde-fixed, paraffin embedded Human Small Intestine; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with AIF1 (9A3) Monoclonal Antibody, Unconjugated(bsm-54132R) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit(Rabbit, SP-0023) and DAB (C-0010) staining.



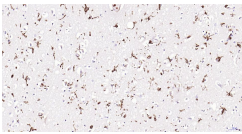
Paraformaldehyde-fixed, paraffin embedded Rat Kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with AIF1 (9A3) Monoclonal Antibody, Unconjugated(bsm-54132R) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit(Rabbit, SP-0023) and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human Colon Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with AIF1 (9A3) Monoclonal Antibody, Unconjugated(bsm-54132R) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit(Rabbit, SP-0023) and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human Liver; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with AIF1 (9A3) Monoclonal Antibody, Unconjugated(bsm-54132R) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit(Rabbit, SP-0023) and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with AIF1 (9A3) Monoclonal Antibody, Unconjugated(bsm-54132R) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit(Rabbit, SP-0023) and DAB (C-0010) staining.

PRODUCT SPECIFIC PUBLICATIONS

[IF=3.7] Zhaoda Duan. et al. Scutellarin Attenuates Microglia Activation in LPS-Induced BV-2 Microglia via miRNA-7036a/MAPT/PRKCG/ERK Axis. Advanced Biology. 2024 Apr;:2400123 IF ; Mouse . 38684459