#### bsm-54132R

### [ Primary Antibody ]

# Bioss

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#### AIF1 Recombinant Rabbit mAb

- DATASHEET -

Host: Rabbit Isotype: IgG
Clonality: Recombinant CloneNo.: 9A3
GeneID: 199 SWISS: P55008

Target: AIF1

Immunogen: A synthesized peptide derived from human IBA1: 1-38.

**Purification:** affinity purified by Protein A

Concentration: 1mg/ml

**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.

Applications: WB (1:500-1000)

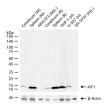
IHC-P (1:50-200) IHC-F (1:50-200) IF (1:50-200)

Reactivity: Human, Mouse, Rat

Predicted MW.: 17 kDa

**Subcellular Location:** Cell membrane ,Cytoplasm

#### VALIDATION IMAGES

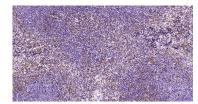


25 ug total protein per lane of various lysates (see on figure) probed with AIF1 (9A3) monoclonal antibody, unconjugated (bsm-54132R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.

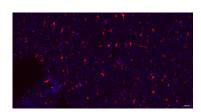


Paraformaldehyde-fixed, paraffin embedded Human Left Parietal Lobe; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with AIF1 (9A3) Monoclonal Antibody,

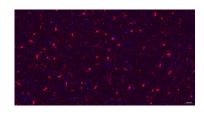
Unconjugated(bsm-54132R) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit(Rabbit, SP-0023) and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Mouse Spleen; 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 left parietal lobe; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with AIF1 Monoclonal Antibody, Unconjugated (bsm-54132R) at 1:200 overnight at 4°C. Followed by conjugated Goat Anti-Rabbit IgG antibody (Red, bs-0295G-BF594), DAPI (blue,



Paraformaldehyde-fixed, paraffin embedded Rat Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with AIF1 Monoclonal Antibody, Unconjugated (bsm-54132R) at 1:200 overnight at 4°C. Followed by conjugated Goat Anti-Rabbit IgG antibody (Red, bs-0295G-BF594), DAPI (blue, C02-04002) was used to stain the cell nuclei.

## SELECTED CITATIONS [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