

[Primary Antibody]

AIF1 Recombinant Rabbit mAb



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ANTIBODIES

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— DATASHEET

Host: Rabbit

Clonality: Recombinant

GeneID: 199

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.

Isotype: IgG

CloneNo.: 9A3

SWISS: P55008

Applications: WB (1:500-1000)

IHC-P (1:50-200)

IHC-F (1:50-200)

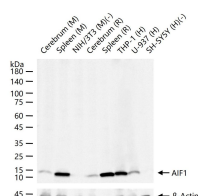
IF (1:50-200)

Reactivity: Human, Mouse, Rat

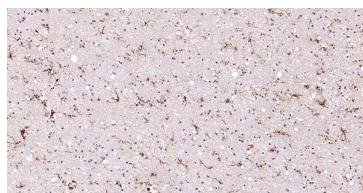
Predicted MW.: 17 kDa

Subcellular Location: Cell membrane ,Cytoplasm

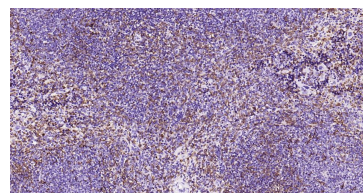
— VALIDATION IMAGES



25 ug total protein per lane of various lysates (see on figure) probed with A1F1 (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 A1F1 (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 A1F1 (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.

— 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

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.