
AIF1/Iba1 Rabbit pAb

Catalog Number: bs-1363R

Target Protein: AIF1/Iba1

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

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: 16 kDa

Subcellular: Cell membrane ,Cytoplasm

Locations:

Entrez Gene: 199

Swiss Prot: P55008

Source: KLH conjugated synthetic peptide derived from human Iba1: 51-147/147.

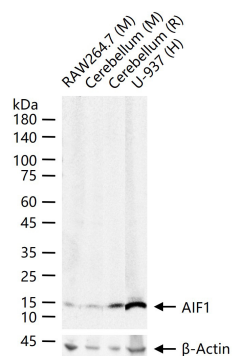
Purification: affinity purified by Protein A

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

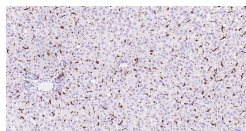
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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.

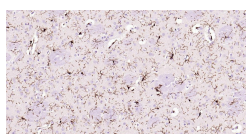
VALIDATION IMAGES



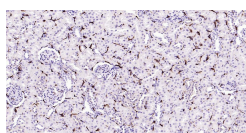
25 ug total protein per lane of various lysates (see on figure) probed with AIF1 (9A3) polyclonal antibody, unconjugated (bs-1363R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



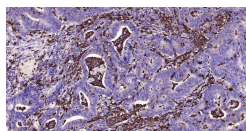
Paraformaldehyde-fixed, paraffin embedded Rat liver; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with AIF1 (9A3) Polyclonal Antibody, Unconjugated(bs-1363R) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit(Rabbit, SP-0023) and DAB (C-0010) staining.



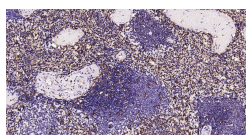
Paraformaldehyde-fixed, paraffin embedded rat brain; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with AIF1 (9A3) Polyclonal Antibody, Unconjugated(bs-1363R) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit(Rabbit, SP-0023) and DAB (C-0010) 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) Polyclonal Antibody, Unconjugated(bs-1363R) 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) Polyclonal Antibody, Unconjugated(bs-1363R) 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 Spleen; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with AIF1 (9A3) Polyclonal Antibody, Unconjugated(bs-1363R) 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=32.086] Yuxin Liu. et al. Ferromagnetic flexible electronics for brain-wide selective neural recording. ADV MATER. 2022 Nov;;2208251 IF ; Rat . 36451587

[IF=10.588] Haiyang Zhang. et al. Co-exposure of chronic stress and alumina nanoparticles aggravates hippocampal microglia pyroptosis by activating cathepsin B/NLRP3 signaling pathway. J HAZARD MATER. 2022 Aug;436:129093 IHC ; Rat . 35569374

- [IF=8.8] Shu Qing Zhang. et al. Phlorizin ameliorates cognitive and behavioral impairments via the microbiota-gut-brain axis in high-fat and high-fructose diet-induced obese male mice. BRAIN BEHAV IMMUN. 2024 Sep;; IF ; Mouse . 39277023
- [IF=8.823] Wang Shang. et al. Early activation of Toll-like receptor-3 reduces the pathological progression of Alzheimer' s disease in APP/PS1 mouse. ALZHEIMERS RES THER. 2023 Dec;15(1):1-17 WB ; Mouse . 36797783
- [IF=8.2] Quancheng Cheng. et al. Integrated multiomics analysis reveals changes in liver physiological function in Aqp9 gene knockout mice. INT J BIOL MACROMOL. 2023 Jun;;125459 IHC ; Mouse . 37353119