

Anti-ANKLE1 Rabbit pAb

Ref: AO-03-GB115067

Volume: 10, 25, 50 and 100 µl

Product Information

Protein full name	Allograft inflammatory factor 1
Synonyms	AIF-1, IBA, IRT-1, IRT1, allograft, AIF-1, AIF1, G1, IBA1, IRT 1, Protein G1, Ionized calcium-binding adapter molecule 1, MRF1, Microglia response factor, BART 1, AIF1 protein
Immunogen	Recombinant protein corresponding to Mouse Iba1
Uniprot ID	O70200
Isotype	IgG1,κ
Purity	Affinity purification
Subcellular location	Cytoskeleton, Ruffle membrane, Phagocytic cup

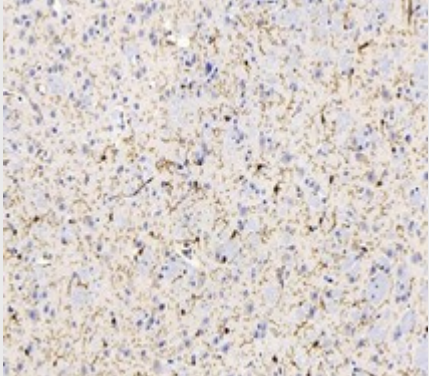
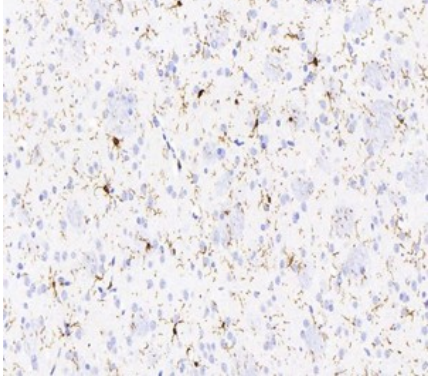
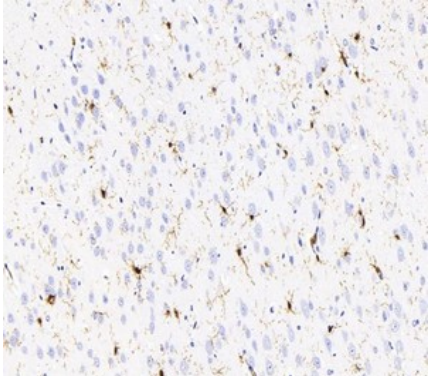
Applications

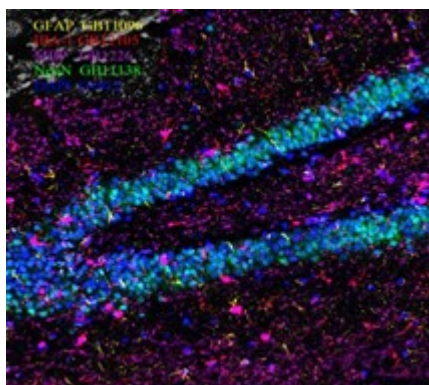
IHC(PFA fixed)/IF(PFA fixed)	Mouse, Rat, Monkey	1: 500-1: 4000	brain
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Background

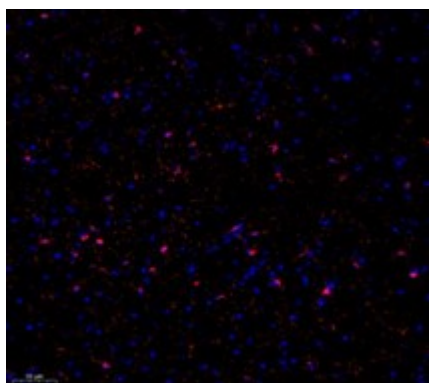
AIF1, also named as G1, IBA1 or daintain/AIF-1, is a 143 amino acid cytoplasmic, inflammation response scaffold protein. It is constitutively expressed in monocytes and macrophages and is known to be involved in macrophage activation. It is a marker of activated macrophage. Despite a lack of detailed knowledge on the in vivo physiological functions of AIF-1, there is growing evidence that shows its aberrant expression contributes to the pathogenesis of many autoimmune diseases, including rheumatoid arthritis. AIF1 is an actin-binding protein that enhances membrane ruffling and RAC activation. It enhances lymphocyte migration and the actin-bundling activity of LCP1.

Images

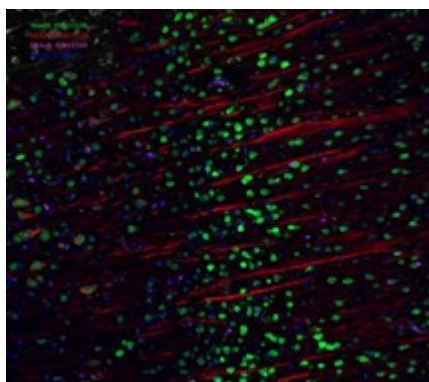
	<p>IHC analysis of IBA-1 (GB12105). Sample: Mouse brain (Paraffin), 4% PFA (G1101) 12-24h. Antigen retrieval: TE buffer (pH 9.0) (G1203), 98°C, 20min. Blocking buffer: 3% BSA in PBS (GC305010), RT, 30min. Primary antibody: 1: 2000, 4°C overnight. Secondary antibody: HRP Goat Anti-Mouse IgG (GB23301), 1: 200 RT 1h.</p>
	<p>IHC analysis of IBA-1 (GB12105). Sample: Rat brain (Paraffin), 4% PFA (G1101) 12-24h. Antigen retrieval: TE buffer (pH 9.0) (G1203), 98°C, 20min. Blocking buffer: 3% BSA in PBS (GC305010), RT, 30min. Primary antibody: 1: 2000, 4°C overnight. Secondary antibody: HRP Goat Anti-Mouse IgG (GB23301), 1: 200 RT 1h.</p>
	<p>Immunohistochemistry of paraffin embedded rat brain using IBA-1 (GB12105) at dilution of 1: 2000 (300x lens)</p>



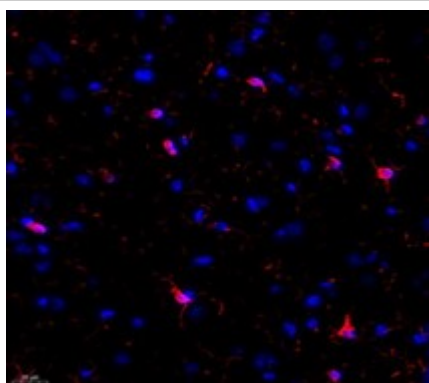
Immunofluorescent analysis of paraffin embedded rat hippocampus using Neun (GB11138) (green) + Iba1 (GB12105) (red) + MBP (GB12226) (spred) + GFAP (GB11096) (yellow) and Dapi in blue at dilution of 1: 1000



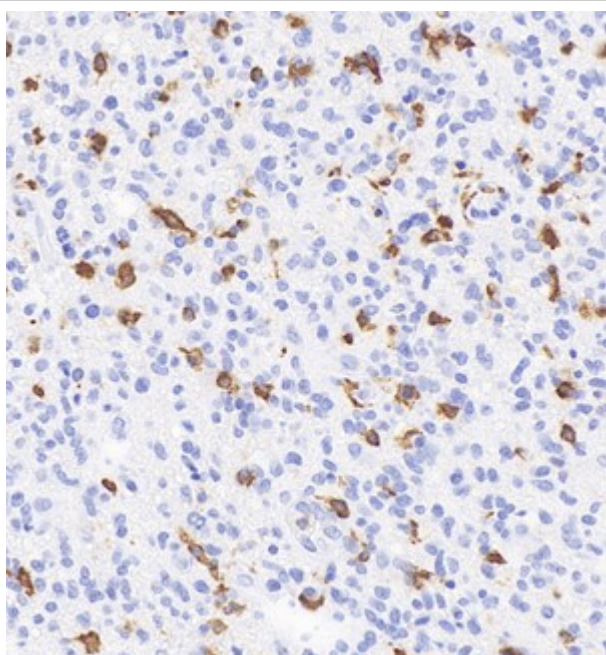
Immunofluorescence of paraffin embedded mouse brain using IBA-1 (GB12105) at dilution of 1: 1000 (200x lens)



Immunofluorescent analysis of paraffin embedded rat brain using Neun (GB11138) (green)+ Iba1 (GB12105) (spred) + MAP2 (GB11128-2) (red) and Dapi in blue at dilution of 1: 1000



IF analysis of IBA-1 (GB12105).
Sample: Rat brain (Paraffin), 4% PFA (G1101) 12-24h.
Antigen retrieval: TE buffer (pH 9.0) (G1203), 98°C, 20min.
Blocking buffer: 3% BSA in PBS (GC305010), RT, 30min.
Primary antibody: 1: 1000, 4°C overnight.
Secondary antibody: Cy3 conjugated Goat Anti-mouse IgG (H+L)(GB21301), 1: 200 RT 1h.



IHC analysis of IBA-1 (GB12105).

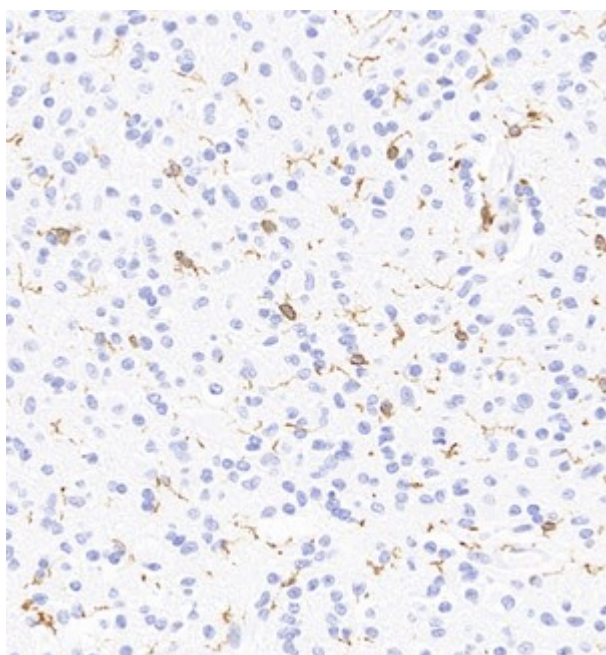
Sample: Human glioblastoma multiforme, 4% PFA (G1101) 12-24h.

Antigen retrieval: TE buffer (pH 9.0) (G1203), 98°C, 20min.

Blocking buffer: 3% BSA in PBS (GC305010), RT, 30min.

Primary antibody: 1: 500, 4°C overnight.

Secondary antibody: S-visualization poly-HRP conjugated Goat Anti-Rabbit IgG(H+L), Ready to use(G1302), RT, 20min.



IHC analysis of IBA-1 (GB12105).

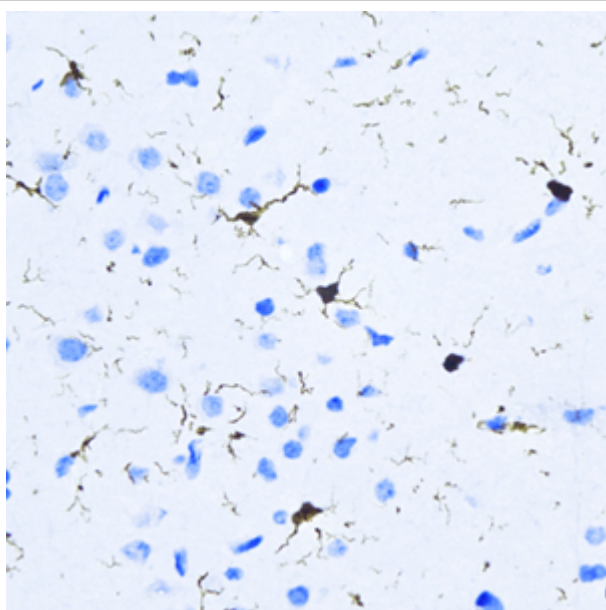
Sample: Human oligodendrocytoma, 4% PFA (G1101) 12-24h.

Antigen retrieval: TE buffer (pH 9.0) (G1203), 98°C, 20min.

Blocking buffer: 3% BSA in PBS (GC305010), RT, 30min.

Primary antibody: 1: 500, 4°C overnight.

Secondary antibody: S-visualization poly-HRP conjugated Goat Anti-Rabbit IgG(H+L), Ready to use(G1302), RT, 20min.



IHC analysis of IBA-1 (GB12105).

Sample: Monkey brain, 4% PFA (G1101) 12-24h.

Antigen retrieval: TE buffer (pH 9.0) (G1203), 98°C, 20min.

Blocking buffer: 3% BSA in PBS (GC305010), RT, 30min.

Primary antibody: 1: 500, 4°C overnight.

Secondary antibody: S-visualization poly-HRP conjugated Goat Anti-Rabbit IgG(H+L), Ready to use(G1302), RT, 20min.

Storage

Storage	Store at -20 °C for one year. Avoid repeated freeze/ thaw cycles.
Storage Buffer	PBS with 0.02% sodium azide, 100 µg/ml BSA and 50% glycerol.

NOTE:

1. This product is intended for research only.

2. This product is recommended to dilute with the Primary Antibody Dilution Buffer ([G2025](#)) .

For Research Use Only!

