

ARG59068 anti-AIF1 / Iba 1 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes AIF1 / Iba 1
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	AIF1 / Iba 1
Species	Human
Immunogen	Synthetic peptide derived from Human AIF1 / Iba 1.
Conjugation	Un-conjugated
Alternate Names	Ionized calcium-binding adapter molecule 1; Allograft inflammatory factor 1; IBA1; IRT-1; IRT1; AIF-1; Protein G1

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	IHC-P	1:100 - 1:500
	IP	1:50
	WB	1:500 - 1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	16 kDa	

Properties

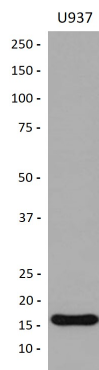
Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.4), 150mM NaCl, 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	AIF1
Gene Full Name	allograft inflammatory factor 1
Background	AIF1 / Iba 1 is a protein that binds actin and calcium. This gene is induced by cytokines and interferon and may promote macrophage activation and growth of vascular smooth muscle cells and T-lymphocytes. Polymorphisms in this gene may be associated with systemic sclerosis. Alternative splicing results in multiple transcript variants, but the full-length and coding nature of some of these variants is not certain. [provided by RefSeq, Jan 2016]
Function	AIF1 / Iba 1 is an Actin-binding protein. It enhances membrane ruffling and RAC activation. Enhances the actin-bundling activity of LCP1. Binds calcium. Plays a role in RAC signaling and in phagocytosis. May play a role in macrophage activation and function. Promotes the proliferation of vascular smooth muscle cells and of T-lymphocytes. Enhances lymphocyte migration. Plays a role in vascular inflammation. [UniProt]
Research Area	Cell Biology and Cellular Response antibody; Immune System antibody; Metabolism antibody; Neuroscience antibody; Activated Macrophage/Microglia Study antibody; Neuroinflammation Study antibody; Macrogial Marker antibody
Calculated Mw	17 kDa
PTM	Phosphorylated on serine residues. [UniProt]
Cellular Localization	Cytoplasm, cytoskeleton. Cell projection, ruffle membrane; Peripheral membrane protein; Cytoplasmic side. Cell projection, phagocytic cup. Note=Associated with the actin cytoskeleton at membrane ruffles and at sites of phagocytosis. [UniProt]

Images



ARG59068 anti-AIF1 / Iba 1 antibody WB image

Western blot: U937 cell lysate stained with ARG59068 anti-AIF1 / Iba 1 antibody.