

## AIF1 antibody

### Product Information

Catalog No.:	FNab09944
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months(Avoid repeated freeze / thaw cycles.)

### 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. (20944424). AIF1 is an actin-binding protein that enhances membrane ruffling and RAC activation. It enhances lymphocyte migration and the actin-bundling activity of LCP1. AIF1 plays a role in RAC signaling and in phagocytosis and a role in vascular inflammation. AIF1 promotes the proliferation of vascular smooth muscle cells and of T-lymphocytes. It is also as a microglial cell marker.

### Immunogen information

Immunogen:	allograft inflammatory factor 1
Synonyms:	Allograft inflammatory factor 1 (AIF-1) Ionized calcium-binding adapter molecule 1 Protein G1 AIF1 G1 IBA1
Observed MW:	16 kDa
Uniprot ID :	P55008

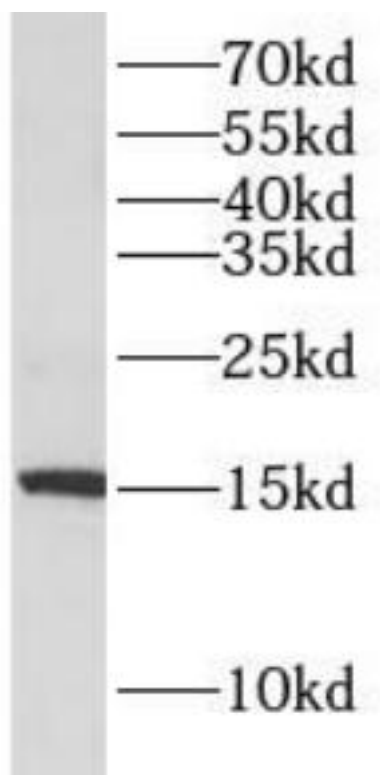
### Application

Reactivity:	Human, Mouse, Rat
-------------	-------------------

Tested Application: ELISA, WB

Recommended dilution: WB: 1:500-1:2000

Image:



U937 cells were subjected to SDS PAGE followed by western blot with FNab09944(AIF1 antibody) at dilution of 1:1000