anti- IBA1 antibody

Product Information
Catalog No.: FNab04096
Size: 100μg
Form: liquid
Purification: Immunogen affinity purified
Purity: ≥95% as determined by SDS-PAGE
Host: Rabbit
IsoType: IgG
Storage: PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20℃ for 24 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: AIF 1, AIF1, G1, IBA1, IRT 1, Protein G1
Calculated MW: 17 kDa
Uniprot ID: P55008

Application
Specificity: Human, Mouse, Rat; other species are not tested. Please decide the specificity by homology
Tested Application: ELISA, WB, IF, IHC
Image:
Immunohistochemistry of paraffin-embedded human tonsillitis using FNab04096(IMBA1 antibody) at dilution of 1:50

Immunofluorescent analysis of (-20°C Ethanol) fixed C6 cells using FNab04096(IBA1 Antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L)

Mouse spleen tissue were subjected to SDS PAGE followed by western blot with FNab04096(IBA1 antibody) at dilution of 1:1000