Product datasheet

Anti-IBA1/AIF1 Antibody (Clone#AFGH-1)

Catalog Number: *BM5765*

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
East Lake High-Tech Development Zone, Wuhan.
Web: www.boster.com ***Phone:*** 027-67845390/1/2 ***Email:*** boster@boster.com

Basic Information

Product Name	Anti-IBA1/AIF1 Antibody (Clone#AFGH-1)
Gene Name	AIF1
Source	Rabbit
Clonality	Monoclonal
Isotype	IgG
Species Reactivity	human
Tested Application	WB, IHC, ICC/IF, FCM
Contents	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol.
Immunogen	A synthesized peptide derived from human IBA1
Concentration	500 ug/ml
Purification	Affinity-chromatography
Observed MW	17 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-200 Immunocytochemistry/Immunofluorescence (ICC/IF):1:50-200 Flow Cytometry (FCM): 1:100

Storage

12 months from date of receipt，-20℃ as supplied. 6 months 2 to 8℃ after reconstitution. Avoid repeated freezing and thawing.

Background Information

Allograft inflammatory factor 1 (AIF-1), also known as ionized calcium-binding adapter molecule 1(IBA1), is a protein that in humans is encoded by the AIF1 gene. This gene encodes a protein that binds actin and calcium. And 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.

Reference

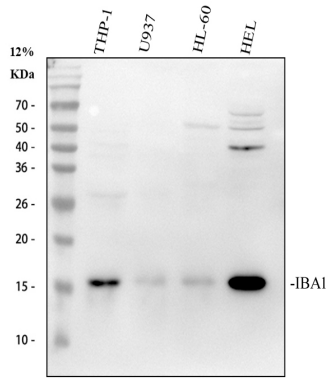
Anti-IBA1/AIF1 Antibody (Clone#AFGH-1)

Catalog Number: *BM5765*

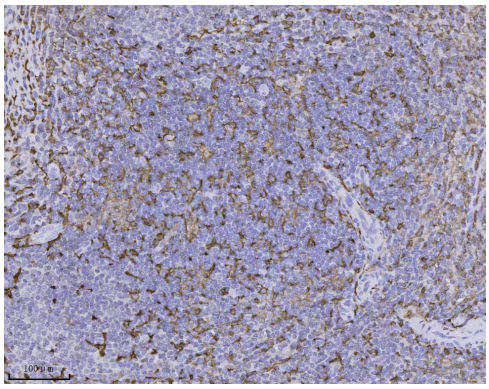
BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
East Lake High-Tech Development Zone, Wuhan.
Web: www.boster.com ***Phone:*** 027-67845390/1/2 ***Email:*** boster@boster.com

Anti-IBA1/AIF1 Antibody (Clone#AFGH-1)被引用在12文献中。

Selected Validation Data



Western blot analysis of IBA1/AIF1 using anti-IBA1/AIF1 antibody (BM5765). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: human THP-1 whole cell lysates,
Lane 2: human U937 whole cell lysates,
Lane 3: human HL-60 whole cell lysates,
Lane 4: human HEL whole cell lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-IBA1/AIF1 antigen affinity purified monoclonal antibody (BM5765) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for IBA1/AIF1 at approximately 17 kDa. The expected band size for IBA1/AIF1 is at 17 kDa.



IHC analysis of IBA1/AIF1 using anti-IBA1/AIF1 antibody (BM5765). IBA1/AIF1 was detected in a paraffin-embedded section of human tonsil tissue. The tissue section was incubated with rabbit anti-IBA1/AIF1 Antibody (BM5765) at a dilution of 1:200 and developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB (Catalog # AR1027) as the chromogen.