

Basic Information

Product Name	Anti-IBA1/AIF1 Antibody	
Gene Name	AIF1	
Source	Rabbit	
Clonality	Polyclonal	
Isotype	IgG	
Species Reactivity	human, mouse, rat, pig	
Tested Application	WB, IHC	
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.	
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Iba1, different from the related mouse sequence by seven amino acids, and from the related rat sequence by six amino acids.	
Concentration	500 ug/ml	
Purification	Immunogen affinity purified.	
Observed MW	17 kDa	
Dilution Ratios	Western blot (WB):	1:500-2000
	Immunohistochemistry (IHC):	1:50-400
	(Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.	

Storage

12 months from date of receipt, -20°C as supplied.

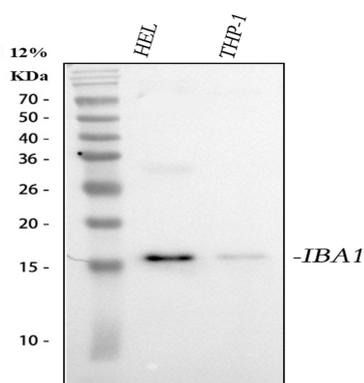
Background Information

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被引用在1文献中。

Selected Validation Data



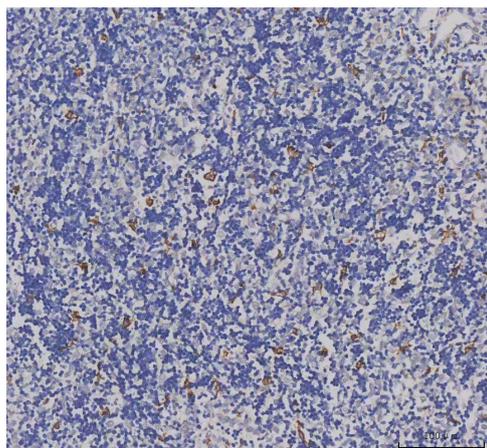
Western blot analysis of IBA1/AIF1 using anti-IBA1/AIF1 antibody (A01394). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human HEL whole cell lysates,

Lane 2: human THP-1 whole cell lysates.

After electrophoresis, proteins were transferred to a membrane.

Then the membrane was incubated with rabbit anti-IBA1/AIF1 antigen affinity purified polyclonal antibody (A01394) 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 (A01394).

IBA1/AIF1 was detected in a paraffin-embedded section of human spleen tissue. The tissue section was incubated with rabbit anti-IBA1/AIF1 Antibody (A01394) 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.

Product datasheet

Anti-IBA1/AIF1 Antibody

Catalog Number: **A01394**

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.

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