

Anti-IBA1 AIF1 Monoclonal Antibody

Catalog Number: M01394-1

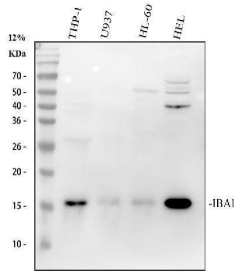
Overview

Product Name	Anti-IBA1 AIF1 Monoclonal Antibody
Reactive Species	Human
Description	Boster Bio Anti-IBA1 AIF1 Monoclonal Antibody catalog # M01394-1. Tested in WB, IHC, ICC/IF, Flow Cytometry applications. This antibody reacts with Human.
Application	Flow Cytometry, IF, IHC, ICC, WB
Clonality	Monoclonal AFGH-1
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P55008

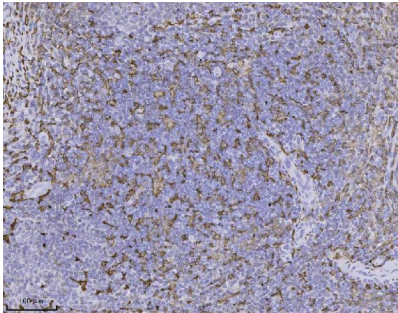
Technical Details

Immunogen	A synthesized peptide derived from human IBA1
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5mg/ml
Purification	Affinity-chromatography
Suggested Dilutions	WB 1:500-2000 IHC 1:50-200 ICC/IF 1:50-200 FC 1:100

Anti-IBA1 AIF1 Monoclonal Antibody (M01394-1) Images



Western blot analysis of IBA1 using anti-IBA1 antibody (M01394-1). Electrophoresis was performed on a 12% SDS-PAGE gel at 80V (Stacking gel) / 120V (Resolving gel) for 2 hours. 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 nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-IBA1 antigen affinity purified monoclonal antibody (M01394-1) at 1:500 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with Tanon 5200 system. A specific band was detected for IBA1 at approximately 17 kDa. The expected band size for IBA1 is at 17 kDa.



IHC analysis of IBA1 using anti-IBA1 antibody (M01394-1). IBA1 was detected in a paraffin-embedded section of human tonsil tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1:50 rabbit anti-IBA1 Antibody (M01394-1) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.

8 Publications Citing This Product

1. PubMed ID: -, Wu,H.,Jiang,X.,Li,Y.,Zhou,Y.,Zhang,T.,Zhi,P.,Gao,J.,Engineering Stem Cell Derived Biomimetic Vesicles for Versatility and Effective Targeted Delivery.Adv. Funct.Mater.2020, 30, 2006169.<https://doi.org/10.1002/adfm.202006169>
2. PubMed ID: 32593156, Li X,Shi MQ,Chen C,Du JR.Phthalide derivative CD21 ameliorates ischemic brain injury in a mouse model of global cerebral ischemia: involvement of inhibition of NLRP3.Int Immunopharmacol.2020 Sep;86:106714.doi: 10.1016/j.intimp.2020.106714.Epub 2020 Jun 24
3. PubMed ID: 31837991, Zhou Z,Hou J,Mo Y,Ren M,Yang G,Qu Z,Hu Y.Geniposidic acid ameliorates spatial learning and memory deficits and alleviates neuroinflammation via inhibiting HMGB-1 and downregulating TLR4/2 signaling pathway in APP/PS1 mice.Eur J Pharmacol.2020 Feb 15;869:1

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