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BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Iba1 Rabbit Monoclonal Antibody

Catalog Number: M01394-4

Overview

Product Name	Anti-Iba1 Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Iba1 Rabbit Monoclonal Antibody catalog # M01394-4. Tested in WB, IHC, ICC/IF applications. This antibody reacts with Human, Mouse, Rat.
Application	IF, IHC, ICC, WB
Clonality	Monoclonal 31A74
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/O70200

Technical Details

Immunogen	A synthesized peptide derived from human Iba1
Isotype	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

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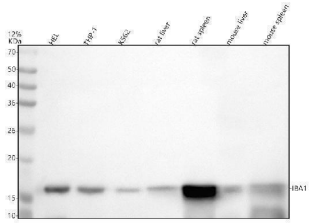
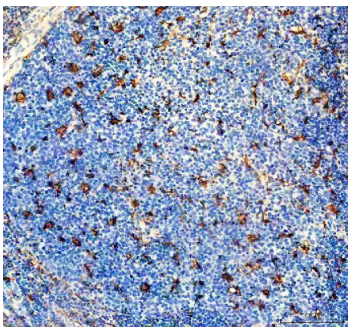
Anti-Iba1 Rabbit Monoclonal Antibody (M01394-4) Images



Western blot analysis of IBA1/AIF1 using anti-IBA1/AIF1 antibody (M01394-4). 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 HEL whole cell lysates, Lane 2: human THP-1 whole cell lysates, Lane 3: human K562 whole cell lysates, Lane 4: rat liver tissue lysates, Lane 5: rat spleen tissue lysates, Lane 6: mouse liver tissue lysates, Lane 7: mouse spleen tissue 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/AIF1 antigen affinity purified monoclonal antibody (M01394-4) 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/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 (M01394-4). IBA1/AIF1 was detected in a paraffin-embedded section of human spleen 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/AIF1 Antibody (M01394-4) 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.



IHC analysis of IBA1/AIF1 using anti-IBA1/AIF1 antibody (M01394-4). IBA1/AIF1 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/AIF1 Antibody (M01394-4) 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.

IHC analysis of IBA1/AIF1 using anti-IBA1/AIF1 antibody (M01394-4). IBA1/AIF1 was detected in a paraffin-embedded section of mouse brain tissue. Heat mediated antigen

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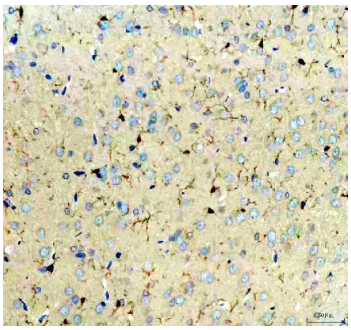
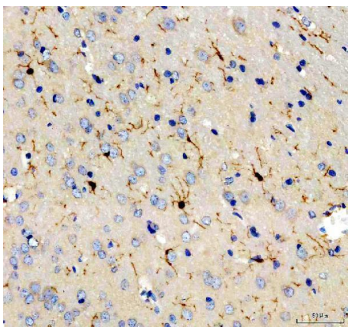
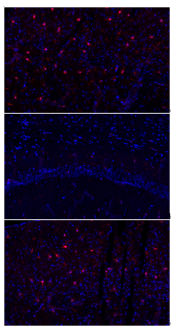


retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1:50 rabbit anti-IBA1/AIF1 Antibody (M01394-4) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary 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.



IHC analysis of IBA1/AIF1 using anti-IBA1/AIF1 antibody (M01394-4). IBA1/AIF1 was detected in a paraffin-embedded section of rat brain 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/AIF1 Antibody (M01394-4) 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.



IF analysis of Alpha-Smooth Muscle Actin using anti-Alpha-Smooth Muscle Actin antibody (MA1106). Alpha-Smooth Muscle Actin was detected in a paraffin-embedded section of mouse cerebral infarction tissue. 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 1:100 mouse anti-Alpha-Smooth Muscle Actin Antibody (MA1106) overnight at 4°C. Goat Anti-Rabbit IgG (H+L) Secondary Antibody, Fluoro594 Conjugated (BA1142) was used as secondary antibody incubated with 1:500 and incubated for 30 minutes at 37°C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.

Anti-Iba1 Rabbit Monoclonal Antibody

For Research Use Only. Not for use in diagnostic procedures.