

Product datasheet

Anti-Iba1 antibody ab48004

★★★★☆ 10 Abreviews 5 References 画像数 7

製品の概要

製品名	Anti-Iba1 antibody
製品の詳細	Goat polyclonal to Iba1
由来種	Goat
特異性	This antibody is expected to recognise isoform 3 (NP_001614.3) only. This antibody gave excellent staining in paraffin embedded human adult tissue and embryonic rat tissue. For WB, we recommend blocking in 3-5% milk, NOT BSA. Blocking in BSA gives high background.
アプリケーション	適用あり: WB, IHC-Fr, IHC-P 適用なし: IHC-FoFr
種交差性	交差種: Mouse, Rabbit, Human 交差が予測される動物種: Cow, Pig, Macaque monkey 
免疫原	Synthetic peptide corresponding to Human Iba1 aa 28-42 (internal sequence) (Cysteine residue). NP_001614.3 Sequence: C-NKQFLDDPKYSSDED Database link: P55008  Run BLAST with  Run BLAST with
ポジティブ・コントロール	WB: Recombinant Human Iba1 protein (ab117478), Human peripheral blood mononucleocyte and frontal cortex lysate. IHC-P: Mouse brain; Human placenta and jejunum; rat embryonic liver tissue.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: Tris buffered saline, 0.5% BSA
精製度	Immunogen affinity purified
特記事項 (精製)	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
ポリ/モノ	ポリクローナル

アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab48004** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
WB		Use a concentration of 0.5 - 1.5 µg/ml. Detects a band of approximately 17 kDa (predicted molecular weight: 17 kDa). We recommend blocking in 3-5% milk, not BSA. Blocking in BSA gives high background in WB.
IHC-Fr	★★★★☆	Use at an assay dependent concentration.
IHC-P	★★★★☆	Use a concentration of 2 - 4 µg/ml. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

追加情報

Is unsuitable for IHC-FoFr.

ターゲット情報

機能

Actin-binding protein that enhances membrane ruffling and RAC activation. Enhances the actin-bundling activity of LCP1. Binds calcium. Plays a role in RAC signaling and in phagocytosis. May play a role in macrophage activation and function. Promotes the proliferation of vascular smooth muscle cells and of T-lymphocytes. Enhances lymphocyte migration. Plays a role in vascular inflammation.

組織特異性

Detected in T-lymphocytes and peripheral blood mononuclear cells.

配列類似性

Contains 2 EF-hand domains.

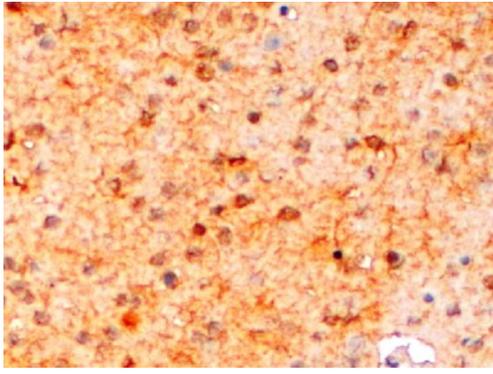
翻訳後修飾

Phosphorylated on serine residues.

細胞内局在

Cytoplasm > cytoskeleton. Cell projection > ruffle membrane. Associated with the actin cytoskeleton at membrane ruffles and at sites of phagocytosis.

画像



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Iba1 antibody (ab48004)

Paraffin embedded mouse brain tissue stained for Iba1 with ab48004 (2 µg/ml) in immunohistochemical analysis. Steamed antigen retrieval with citrate buffer pH 6, HRP-staining.



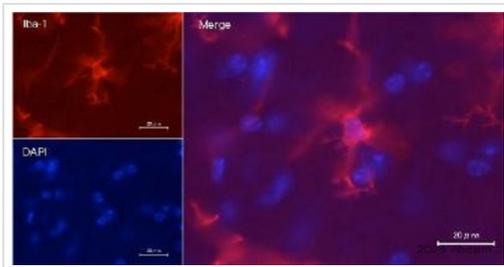
Western blot - Anti-Iba1 antibody (ab48004)

Anti-Iba1 antibody (ab48004) at 0.5 µg/ml + human frontal cortex lysate in RIPA buffer at 35 µg

Developed using the ECL technique.

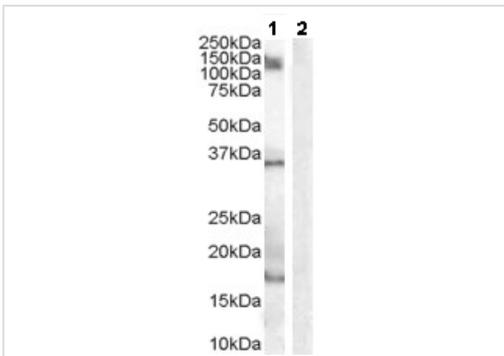
Predicted band size: 17 kDa

Primary incubation was 1 hour



Immunohistochemistry (Frozen sections) - Anti-Iba1 antibody (ab48004)

Paraformaldehyde fixed mouse brain tissue stained for Iba1 with ab48004 (1/200 dilution) in immunohistochemical analysis. Secondary: Donkey Anti-Goat IgG Cy3[®] (1/500 dilution).



Western blot - Anti-Iba1 antibody (ab48004)

All lanes : Anti-Iba1 antibody (ab48004) at 1 µg/ml

Lane 1 : Human peripheral blood mononucleocyte lysate in RIPA buffer

Lane 2 : Human peripheral blood mononucleocyte lysate in RIPA buffer with blocking peptide

Lysates/proteins at 35 µg per lane.

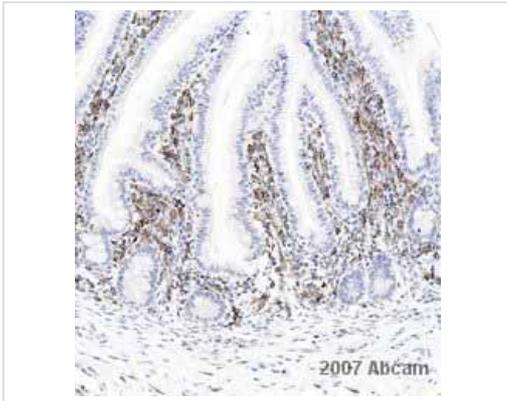
Developed using the ECL technique.

Predicted band size: 17 kDa

Observed band size: 17 kDa

Additional bands at: 110 kDa, 35 kDa. We are unsure as to the identity of these extra bands.

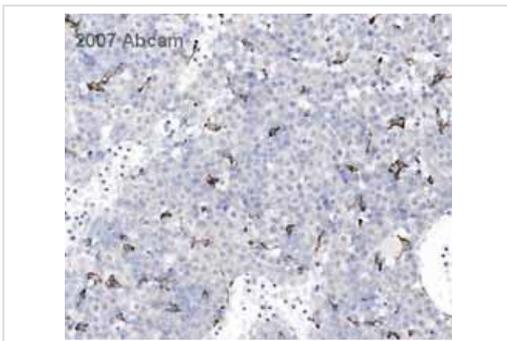
1 hour primary antibody incubation. Additional bands of unknown identity observed at 35kDa and 110kDa. These bands were successfully blocked by incubation with the immunising peptide



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Iba1 antibody (ab48004)

This image is courtesy of an Abreview submitted by Mr Carl Hobbs

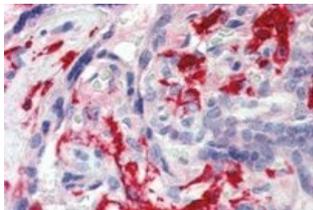
ab48004 at 1/300 staining human jejunum tissue sections by IHC-P. A heat mediated antigen retrieval step in citric acid buffer was performed and the tissue was blocked in BSA before incubation with the antibody for 2 hours. A biotinylated rabbit anti-goat antibody was used as the secondary.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Iba1 antibody (ab48004)

This image is courtesy of an Abreview submitted by Mr Carl Hobbs

ab48004 diluted 1/200 with TBS/BSA/Azide staining rat d15 embryonic liver tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat-mediated antigen retrieval step in citric acid buffer at pH6 was performed prior to blocking with 1% BSA for 10 minutes at room temperature. Incubation time with the primary antibody was 16 minutes. A biotinylated rabbit anti-goat was used as the secondary.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Iba1 antibody (ab48004)

Paraffin embedded human placenta tissue stained for Iba1 with ab48004 (2.5 µg/ml) in immunohistochemical analysis. A heat mediated antigen retrieval step in citric acid buffer (pH 6) was performed.

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