abcam

Product datasheet

Anti-BIN1 antibody [EPR13463-25] - BSA and Azide free ab226006

KO 評価済 リコンビナント RabMAb

画像数 7

製品の概要

製品名	Anti-BIN1 antibody [EPR13463-25] - BSA and Azide free
製品の詳細	Rabbit monoclonal [EPR13463-25] to BIN1 - BSA and Azide free
由来種	Rabbit
アプリケーション	**適用あり:** ICC/IF, IHC-P, WB, Flow Cyt (Intra)
種交差性	**交差種:** Mouse, Human **交差が予測される動物種:** Rat
免疫原	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	U87-MG, Human fetal kidney and Hela cell lysates; Human fetal brain lysate;, Human skeletal muscle and mouse brain tissues; Hela and U87-MG cells.
特記事項	ab226006 is the carrier-free version of **ab185950**. Our **carrier-free** antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency. This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications. Use our **conjugation kits** for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold. This product is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar® is a trademark of Fluidigm Canada Inc. This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information **see here**. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit

monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C. Do Not Freeze.
バッファー	pH: 7.2 Constituent: PBS
キャリア・フリー	はい
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR13463-25
アイソタイプ	IgG

アプリケーション

The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab226006の使用に適用されます**

アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
ICC/IF		Use at an assay dependent concentration.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
WB		Use at an assay dependent concentration. Detects a band of approximately 56, 65, 70, 90 kDa (predicted molecular weight: 65 kDa).
Flow Cyt (Intra)		Use at an assay dependent concentration. **ab199376** - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.

ターゲット情報

機能	May be involved in regulation of synaptic vesicle endocytosis. May act as a tumor suppressor and inhibits malignant cell transformation.
組織特異性	Ubiquitous. Highest expression in the brain and muscle. Isoform IIA is expressed only in the brain where it is concentrated in axon initial segments and nodes of Ranvier. Isoform BIN1 is widely expressed with highest expression in skeletal muscle.
関連疾患	Defects in BIN1 are the cause of centronuclear myopathy autosomal recessive (ARCNM) [MIM:255200]; also known as autosomal recessive myotubular myopathy. Centronuclear myopathies are congenital muscle disorders characterized by progressive muscular weakness and wasting involving mainly limb girdle, trunk, and neck muscles. It may also affect distal

muscles. Weakness may be present during childhood or adolescence or may not become evident until the third decade of life. Ptosis is a frequent clinical feature. The most prominent histopathologic features include high frequency of centrally located nuclei in muscle fibers not secondary to regeneration, radial arrangement of sarcoplasmic strands around the central nuclei, and predominance and hypotrophy of type 1 fibers.

配列類似性

Contains 1 BAR domain.
Contains 1 SH3 domain.

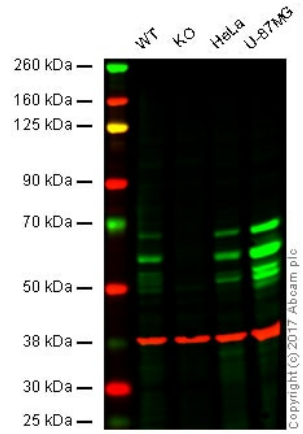
翻訳後修飾

Phosphorylated by protein kinase C.

細胞内局在

Cytoplasm and Nucleus.

画像



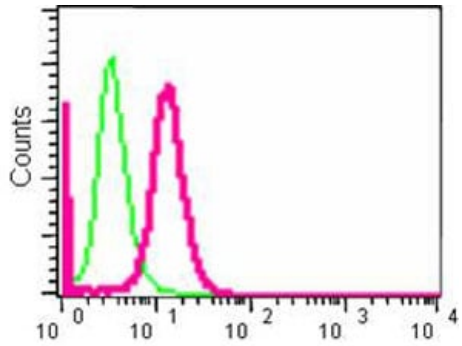
Western blot - Anti-BIN1 antibody [EPR13463-25] - BSA and Azide free (ab226006)

This WB data was generated using the same anti-BIN1 antibody clone [EPR13463-25] in a different buffer formulation (cat# **ab185950**).

Lane 1: Wild type HAP1 whole cell lysate (20 µg)
Lane 2: BIN1 knockout HAP1 whole cell lysate (20 µg)
Lane 3: HeLa whole cell lysate (20 µg)
Lane 4: U-87MG whole cell lysate (20 µg)

Lanes 1 - 4: Merged signal (red and green). Green - **ab185950** observed at 45-65 kDa. Red - loading control, **ab8245**, observed at 37 kDa.

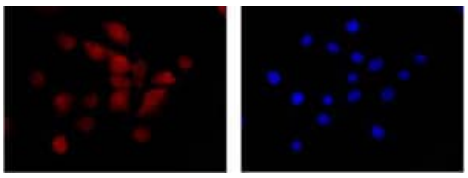
ab185950 was shown to specifically react with BIN1 when BIN1 knockout samples were used. Wild-type and BIN1 knockout samples were subjected to SDS-PAGE. Ab185950 and **ab8245** (Mouse anti GAPDH loading control) were incubated overnight at 4°C at 1 µg/ml and 1/10000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preabsorbed **ab216773** and Goat anti-Mouse IgG H&L (IRDye® 680RD) preabsorbed **ab216776** secondary antibodies at 1/10000 dilution for 1 hour at room temperature before imaging.



Flow Cytometry (Intracellular) - Anti-BIN1 antibody [EPR13463-25] - BSA and Azide free (ab226006)

Intracellular flow cytometric analysis of Hela cells labeling BIN1 using **ab185950** at 1/90 dilution (red). Secondary ab: Goat anti rabbit IgG (FITC) at 1/150 dilution. Fixative: 2% paraformaldehyde. Isotype control: Rabbit monoclonal IgG (green).

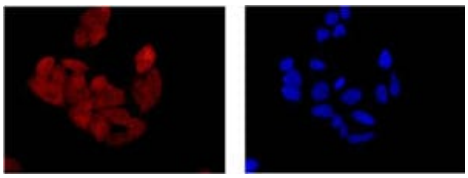
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab185950**).



Immunocytochemistry/ Immunofluorescence - Anti-BIN1 antibody [EPR13463-25] - BSA and Azide free (ab226006)

Immunofluorescent analysis of U87-MG cells labeling BIN1 with **ab185950** at 1/100 dilution. Secondary ab: Goat anti rabbit IgG (Alexa Fluor®555) at 1/200 dilution. Fixative: 4% paraformaldehyde. Counter stain: Dapi (blue)

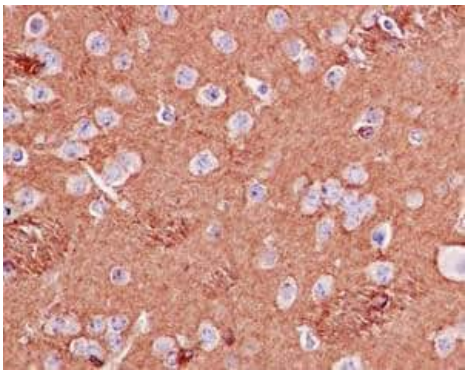
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab185950**).



Immunocytochemistry/ Immunofluorescence - Anti-BIN1 antibody [EPR13463-25] - BSA and Azide free (ab226006)

Immunofluorescent analysis of HeLa cells labeling BIN1 with **ab185950** at 1/100 dilution. Secondary ab: Goat anti rabbit IgG (Alexa Fluor®555) at 1/200 dilution. Fixative: -20? Acetone. Counter stain: Dapi (blue).

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab185950**).

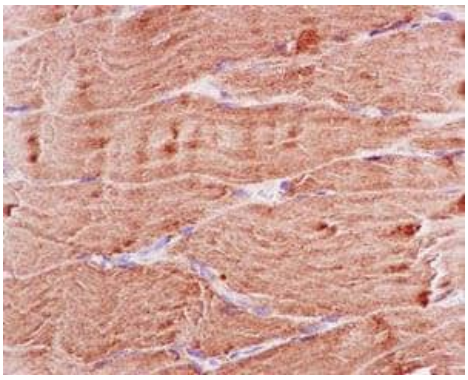


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-BIN1 antibody [EPR13463-25] - BSA and Azide free (ab226006)

Immunohistochemical analysis of paraffin-embedded Mouse brain tissue labeling BIN1 with **ab185950** at 1/100 dilution. Secondary ab: Ready to use HRP Polymer for Rabbit IgG. Counter stain: Hematoxylin.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab185950**).

Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.

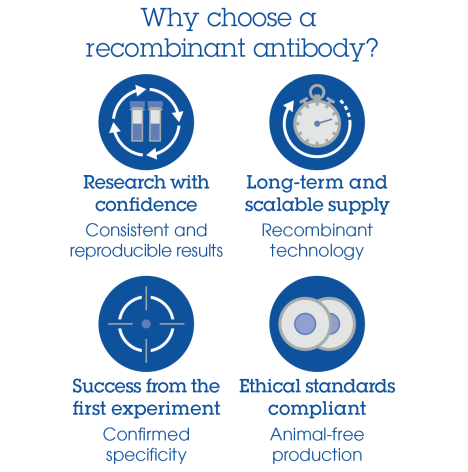


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-BIN1 antibody [EPR13463-25] - BSA and Azide free (ab226006)

Immunohistochemical analysis of paraffin-embedded Human skeletal muscle tissue labeling BIN1 with **ab185950** at 1/100 dilution. Secondary ab: Ready to use HRP Polymer for Rabbit IgG. Counter stain: Hematoxylin.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab185950**).

Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.



Anti-BIN1 antibody [EPR13463-25] - BSA and Azide free (ab226006)

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