abcam

Product datasheet

Anti-Choline Acetyltransferase antibody [EPR13024(B)] - BSA and Azide free ab224267

リコンビナント RabMAb

1 References 画像数 8

製品の概要

製品名	Anti-Choline Acetyltransferase antibody [EPR13024(B)] - BSA and Azide free
製品の詳細	Rabbit monoclonal [EPR13024(B)] to Choline Acetyltransferase - BSA and Azide free
由来種	Rabbit
特異性	The mouse and rat recommendation is based on the WB results. We do not guarantee IHC-P, Flow Cyt (Intra), IHC-Fr, ICC/IF and IP for mouse and rat.
アプリケーション	**適用あり:** Flow Cyt (Intra), IHC-Fr, WB, IHC-P, IP, ICC/IF
種交差性	**交差種:** Mouse, Rat, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	SH-SY5Y and Human fetal brain lysate. SH-SY5Y cells.
特記事項	ab224267 is the carrier-free version of **ab181023**. 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: 7.20 Constituent: 100% 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	EPR13024(B)
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ab224267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。

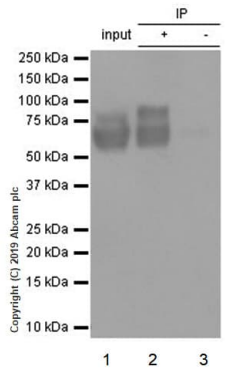
アプリケーション	Abreviews	特記事項
Flow Cyt (Intra)		Use at an assay dependent concentration. **ab199376** - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
IHC-Fr		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Predicted molecular weight: 82 kDa.
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. See **IHC antigen retrieval protocols**. The mouse and rat recommendation is based on the WB results. We do not guarantee IHC-P for mouse and rat.
IP		Use at an assay dependent concentration.
ICC/IF		Use at an assay dependent concentration.

ターゲット情報

機能	Catalyzes the reversible synthesis of acetylcholine (ACh) from acetyl CoA and choline at cholinergic synapses.
関連疾患	Myasthenic syndrome, congenital, 6, presynaptic

配列類似性 Belongs to the carnitine/choline acetyltransferase family.

画像

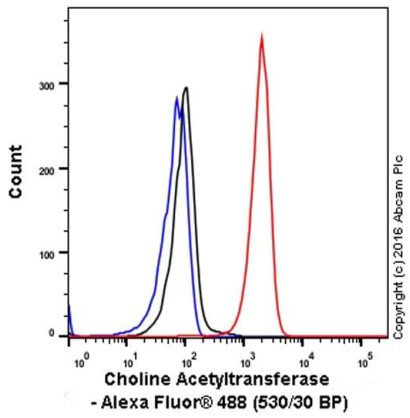


Immunoprecipitation - Anti-Choline Acetyltransferase antibody [EPR13024(B)] - BSA and Azide free (ab224267)

ab181023 (purified) at 1/30 dilution (2ug) immunoprecipitating Choline Acetyltransferase in Human fetal brain lysate. Human fetal brain lysate 10ug
Lane 2 (+): **ab181023** & Human fetal brain lysate
Lane 3 (-): Rabbit monoclonal IgG (**ab172730**) instead of **ab181023** in Human fetal brain lysate
For western blotting, VeriBlot for IP secondary antibody (HRP) (**ab131366**) was used at 1/1000 dilution.

Blocking and diluting buffer: 5% NFDM/TBST.

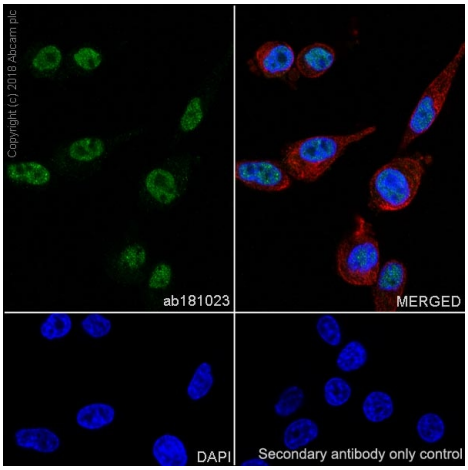
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab181023**).



Flow Cytometry (Intracellular) - Anti-Choline Acetyltransferase antibody [EPR13024(B)] - BSA and Azide free (ab224267)

Intracellular Flow Cytometry analysis of SH-SY5Y (Human neuroblastoma epithelial cell) cells labeling Choline Acetyltransferase with purified **ab181023** at 1/60 dilution (10µg/ml) (red). Cells were fixed with 4% Paraformaldehyde and permeabilised with 90% Methanol. A Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) secondary antibody was used at 1/2000. Isotype control - Rabbit monoclonal IgG (Black). Unlabeled control - Cell without incubation with primary antibody and secondary antibody (Blue).

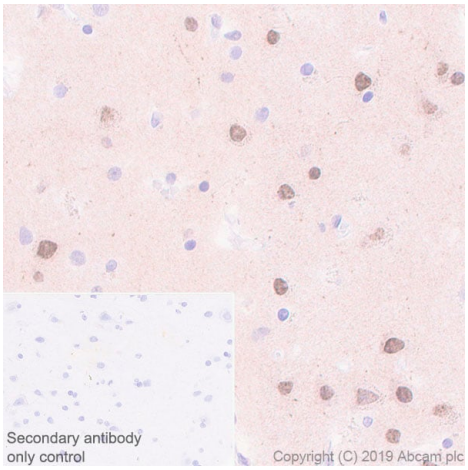
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab181023**).



Immunocytochemistry/ Immunofluorescence - Anti-Choline Acetyltransferase antibody [EPR13024(B)] - BSA and Azide free (ab224267)

Immunocytochemistry/ Immunofluorescence analysis of U-87 MG (Human glioblastoma-astrocytoma epithelial cell) cells labeling Choline Acetyltransferase with purified **ab181023** at 1/50 dilution (10 µg/ml). Cells were fixed in 4% Paraformaldehyde and permeabilized with 0.1% tritonX-100. Cells were counterstained with **ab195889** Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) at 1/200 (2.5 µg/ml). Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) was used as the secondary antibody at 1/1000 (2 µg/ml) dilution. DAPI (blue) was used as nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.

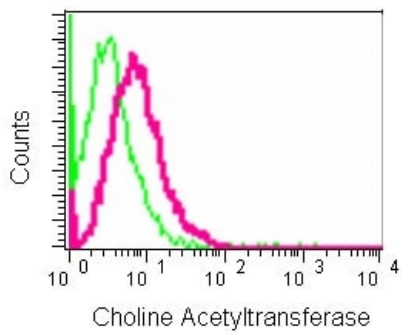
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab181023**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Choline Acetyltransferase antibody [EPR13024(B)] - BSA and Azide free (ab224267)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human cerebrum tissue sections labeling Choline Acetyltransferase with purified **ab181023** at 1/2000 dilution (0.28 µg/ml). Heat mediated antigen retrieval was performed using heat mediated antigen retrieval using **ab93684** (Tris/EDTA buffer, pH 9.0). ImmunoHistoProbe one step HRP Polymer (ready to use) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.

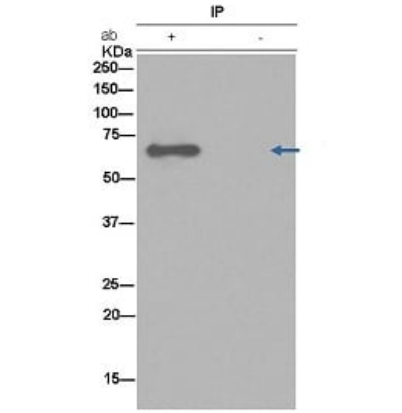
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab181023**).



Flow Cytometry (Intracellular) - Anti-Choline Acetyltransferase antibody [EPR13024(B)] - BSA and Azide free (ab224267)

Intracellular Flow Cytometry analysis of SH-SY5Y cells labeling Choline Acetyltransferase using **ab181023** (unpurified) at a 1/110 dilution (pink). Goat anti rabbit IgG (FITC) used as the secondary at a 1/150 dilution. Isotype control Rabbit monoclonal IgG (green). Cells were fixed in 2% paraformaldehyde.

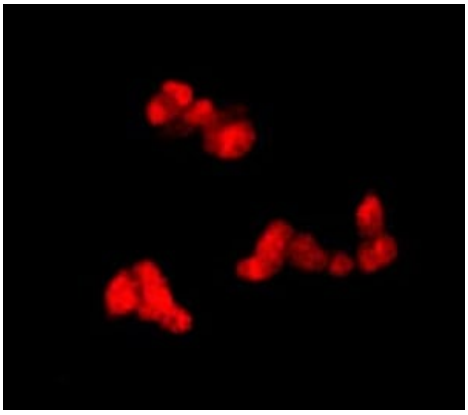
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab181023**).



Immunoprecipitation - Anti-Choline Acetyltransferase antibody [EPR13024(B)] - BSA and Azide free (ab224267)

Lysate from Human fetal brain (Lane 1) and negative control (Lane 2) were immunoprecipitated with **ab181023** (unpurified) at a 1/70 dilution. A anti-rabbit IgG (HRP), specific to the non-reduced form of IgG at a 1/1500 dilution for the secondary. Blocking/ Dilution buffer: 5% NFDM/TBST.

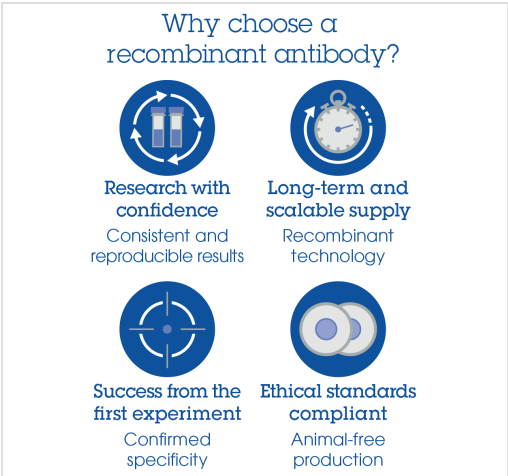
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab181023**).



Immunocytochemistry/ Immunofluorescence - Anti-Choline Acetyltransferase antibody [EPR13024(B)] - BSA and Azide free (ab224267)

This ICC data was generated using the same anti-Choline Acetyltransferase antibody clone [EPR12024(B)] in a different buffer formulation (cat# **ab181023**).

Immunofluorescent analysis of 4% paraformaldehyde fixed SH-SY5Y cells labeling Choline Acetyltransferase using **ab181023** (unpurified) at a 1/100 dilution. A Goat anti rabbit IgG (Alexa Fluor®555) was used as the secondary at a 1/100 dilution.



Anti-Choline Acetyltransferase antibody [EPR13024(B)] - BSA and Azide free (ab224267)

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