abcam

Product datasheet

Anti-TPPP antibody [EPR3316] - BSA and Azide free ab238958

リコンビナント RabMAb

画像数 10

製品の概要

製品名	Anti-TPPP antibody [EPR3316] - BSA and Azide free
製品の詳細	Rabbit monoclonal [EPR3316] to TPPP - BSA and Azide free
由来種	Rabbit
アプリケーション	**適用あり:** Flow Cyt (Intra), WB, ICC/IF, IHC-P
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	IHC-P: Human cerebral cortex tissue.
特記事項	ab238958 is the carrier-free version of **ab92305**. 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	EPR3316
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ab238958の使用に適用されます

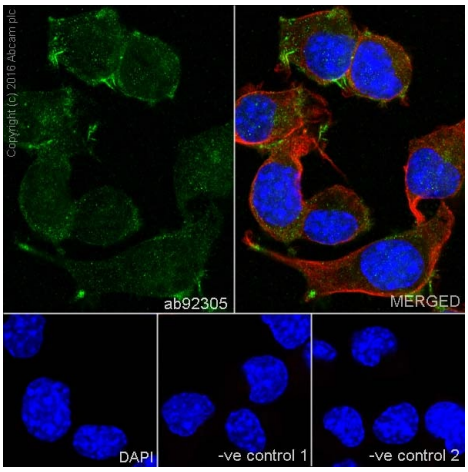
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
Flow Cyt (Intra)		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Predicted molecular weight: 24 kDa.
ICC/IF		Use at an assay dependent concentration.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol.

ターゲット情報

機能	May play a role in the polymerization of tubulin into microtubules, microtubule bundling and the stabilization of existing microtubules, thus maintaining the integrity of the microtubule network. May play a role in mitotic spindle assembly and nuclear envelope breakdown.
組織特異性	Widely expressed.
配列類似性	Belongs to the TPPP family.
翻訳後修飾	Poor substrate for GSK3 (By similarity). Phosphorylated by LIMK1 on serine residues. Phosphorylation may alter the tubulin polymerization activity.
細胞内局在	Cytoplasm. Cytoplasm, cytoskeleton. Nucleus. Localizes to glial Lewy bodies in the brains of individuals with synucleinopathies.

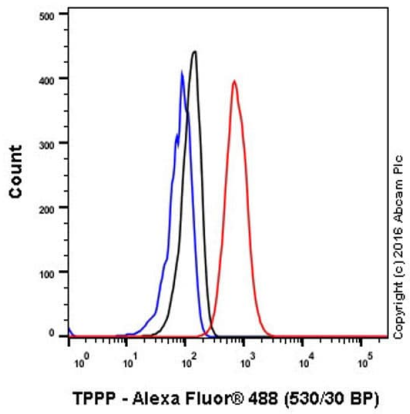
画像



Immunocytochemistry/ Immunofluorescence - Anti-TPPP antibody [EPR3316] - BSA and Azide free (ab238958)

Immunocytochemistry/Immunofluorescence staining of Neuro-2a (mouse neuroblastoma) cells labelling TPPP with purified **ab92305** at a working dilution of 1/100. The secondary antibody was Alexa Fluor® 488 goat anti-rabbit (**ab150077**), used at a dilution of 1/1000. **ab7291**, a mouse anti-tubulin antibody (1/1000), was used to stain tubulin along with **ab150120** (Alexa Fluor® 594 goat anti-mouse, 1/1000), shown in the top right hand panel. DAPI was used as nuclear counterstain. The cells were fixed in 4% Paraformaldehyde and permeabilized using 0.1% Triton X-100. The negative controls are shown in bottom middle and right hand panels - for negative control 1, rabbit primary antibody was used followed by an Alexa Fluor® 594 goat anti-mouse antibody (**ab150120**). For negative control 2, **ab7291** (mouse anti-tubulin) was used followed by an Alexa Fluor® 488 goat anti-rabbit secondary (**ab150077**).

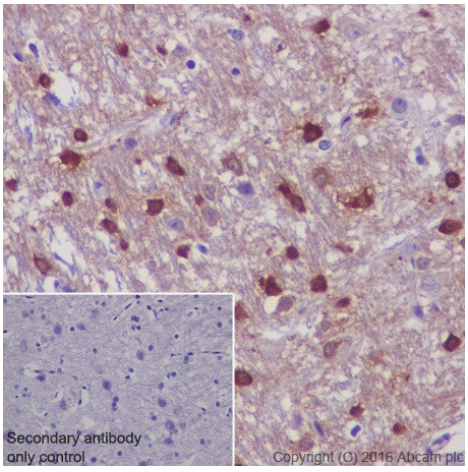
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab92305**).



Flow Cytometry (Intracellular) - Anti-TPPP antibody [EPR3316] - BSA and Azide free (ab238958)

Overlay histogram showing 4% paraformaldehyde fixed Neuro-2a (mouse neuroblastoma) cells labelling TPPP with purified **ab92305** at dilution of 1/20. The secondary antibody used was Alexa Fluor® 488 goat-anti-rabbit IgG at dilution of 1/2000. A non-specific IgG antibody (rabbit monoclonal) was used as isotype control (black line). The blue line shows cells without incubation with primary antibody and secondary antibody.

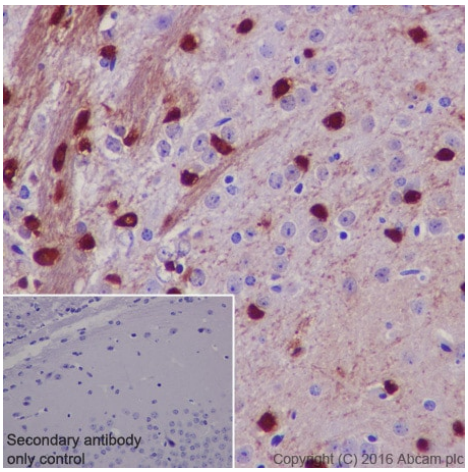
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab92305**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TPPP antibody [EPR3316] - BSA and Azide free (ab238958)

Immunohistochemical analysis of paraffin-embedded rat cerebral cortex tissue sections labelling TPPP with purified **ab92305** at dilution of 1/50. The secondary antibody used was **ab97051**; a goat anti-rabbit IgG H&L (HRP) at dilution of 1/500. The sample was counterstained with hematoxylin. Antigen retrieval was performed using EDTA Buffer; pH 9.0. PBS was used instead of the primary antibody as the negative control and is shown in the inset.

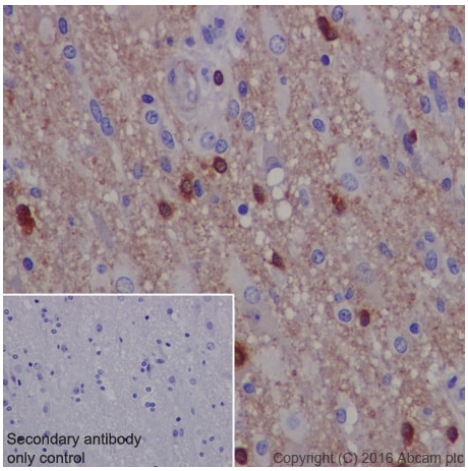
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab92305**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TPPP antibody [EPR3316] - BSA and Azide free (ab238958)

Immunohistochemical analysis of paraffin-embedded mouse cerebral cortex tissue sections labelling TPPP with purified **ab92305** at dilution of 1/50. The secondary antibody used was **ab97051**; a goat anti-rabbit IgG H&L (HRP) at dilution of 1/500. The sample was counterstained with hematoxylin. Antigen retrieval was performed using EDTA Buffer; pH 9.0. PBS was used instead of the primary antibody as the negative control and is shown in the inset.

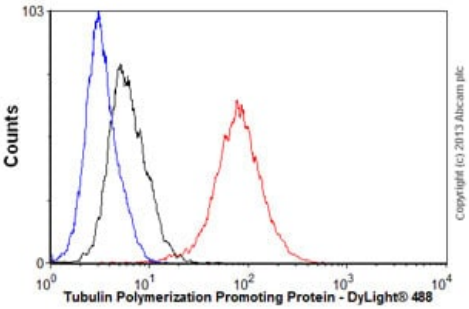
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab92305**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TPPP antibody [EPR3316] - BSA and Azide free (ab238958)

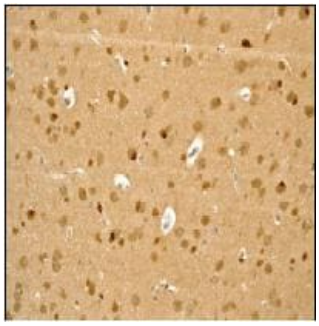
Immunohistochemical analysis of paraffin-embedded human glioma tissue sections labelling TPPP with purified **ab92305** at dilution of 1/50. The secondary antibody used was **ab97051**; a goat anti-rabbit IgG H&L (HRP) at dilution of 1/500. The sample was counterstained with hematoxylin. Antigen retrieval was performed using EDTA Buffer; pH 9.0. PBS was used instead of the primary antibody as the negative control and is shown in the inset.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab92305**).



Flow Cytometry (Intracellular) - Anti-TPPP antibody [EPR3316] - BSA and Azide free (ab238958)

Overlay histogram showing SH-SY5Y cells stained with **ab92305** (red line). The cells were fixed with 4% paraformaldehyde (10 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (**ab92305**, 1/100 dilution) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-rabbit IgG (H+L) (**ab96899**) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was rabbit IgG (monoclonal) (0.1µg/1x10^6 cells) used under the same conditions. Unlabelled sample (blue line) was also used as a control. Acquisition of >5,000 events were collected using a 20mW Argon ion laser (488nm) and 525/30 bandpass filter. This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab92305**).

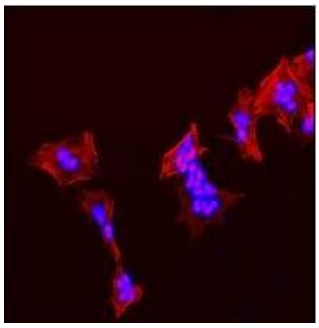


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TPPP antibody [EPR3316] - BSA and Azide free (ab238958)

ab92305 at 1/250 dilution staining TPPP in paraffin-embedded Human brain tissue by immunohistochemistry.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab92305**).

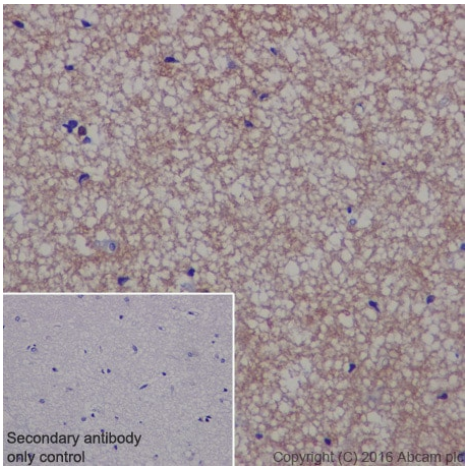
Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol.



Immunocytochemistry/ Immunofluorescence - Anti-TPPP antibody [EPR3316] - BSA and Azide free (ab238958)

ab92305 at 1/100 dilution staining TPPP in SH-SY5Y cells, by immunofluorescence.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab92305**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TPPP antibody [EPR3316] - BSA and Azide free (ab238958)

Immunohistochemical analysis of paraffin-embedded human cerebral cortex tissue sections labelling TPPP with purified **ab92305** at dilution of 1/50. The secondary antibody used was **ab97051**; a goat anti-rabbit IgG H&L (HRP) at dilution of 1/500. The sample was counterstained with hematoxylin. Antigen retrieval was performed using EDTA Buffer; pH 9.0. PBS was used instead of the primary antibody as the negative control and is shown in the inset.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab92305**).

Anti-TPPP antibody [EPR3316] - BSA and Azide free (ab238958)

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