

### Anti-TPPP antibody [EPR3316] ab92305

リコンビナント **RabMAb**

**13 References**    画像数 12

#### 製品の概要

製品名	Anti-TPPP antibody [EPR3316]
製品の詳細	Rabbit monoclonal [EPR3316] to TPPP
由来種	Rabbit
アプリケーション	<b>適用あり:</b> Flow Cyt (Intra), WB, IHC-P, ICC/IF
種交差性	<b>交差種:</b> Mouse, Rat, Human
免疫原	Synthetic peptide within Human TPPP. The exact sequence is proprietary.
ポジティブ・コントロール	Human normal brain and fetal brain tissue, Human glioma, Human, mouse and rat cerebral cortex; Mouse brain and Rat brain lysates; SH-SY5Y and Neuro-2a cells
特記事項	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p>

#### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle. Stable for 12 months at -20°C.
バッファー	<p>pH: 7.20</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 59% PBS, 40% Glycerol, 0.05% BSA</p>
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

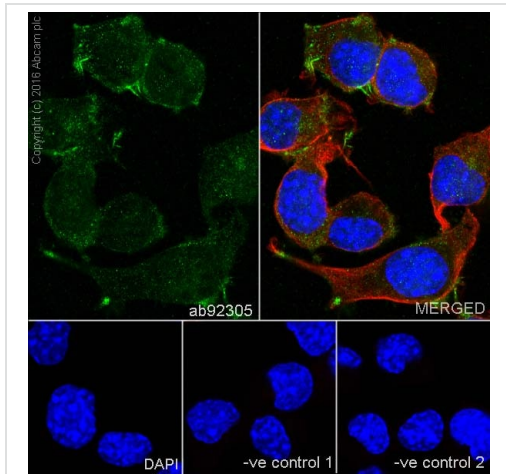
The Abpromise guarantee      Abpromise保証は、 次のテスト済みアプリケーションにおけるab92305の使用に適用されます  
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
Flow Cyt (Intra)		1/20 - 1/50. <b>ab172730</b> - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB		1/10000. Predicted molecular weight: 24 kDa. <b>For unpurified use at 1/500 - 1/1000.</b>
IHC-P		1/50. Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol. <b>For unpurified use at 1/250 - 1/500. See <u>IHC antigen retrieval protocols</u>.</b>
ICC/IF		1/100 - 1/250.

## ターゲット情報

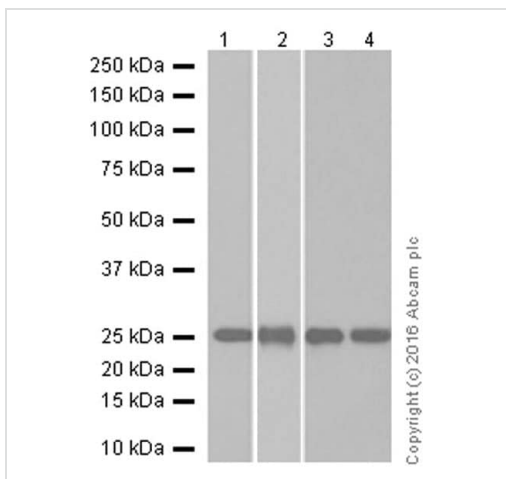
機能	May play a role in the polymerization of tubulin into microtubules, microtubule bundling and the stabilization of existing microtubules, thus maintaining the integrity of the microtubule network. May play a role in mitotic spindle assembly and nuclear envelope breakdown.
組織特異性	Widely expressed.
配列類似性	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] (ab92305)

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](#)).



Western blot - Anti-TPPP antibody [EPR3316] (ab92305)

**All lanes :** Anti-TPPP antibody [EPR3316] (ab92305) at 1/10000 dilution

**Lane 1 :** Human cerebellum tissue lysate

**Lane 2 :** Mouse brain tissue lysate

**Lane 3 :** Mouse cerebral cortex tissue lysate

**Lane 4 :** Rat brain tissue lysate

Lysates/proteins at 20 µg per lane.

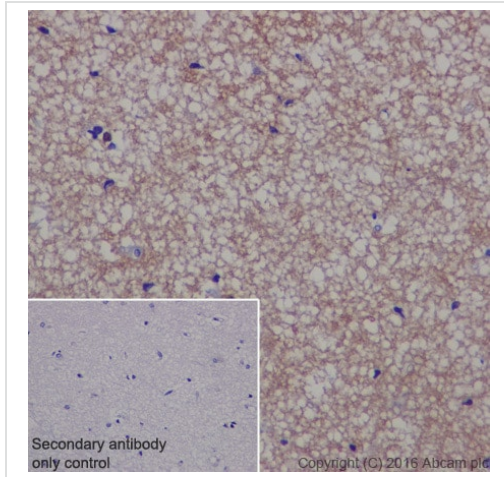
### Secondary

**All lanes :** Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/2000 dilution

**Predicted band size:** 24 kDa

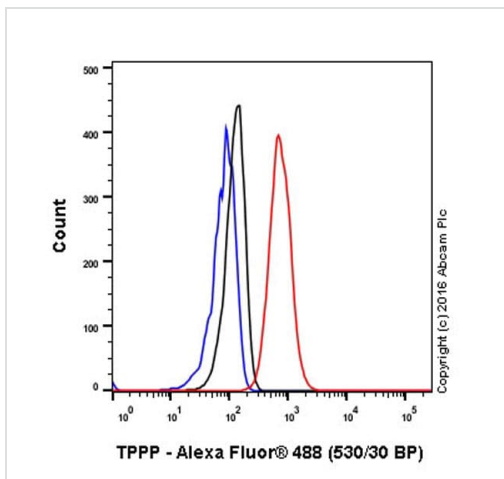
**Observed band size:** 25 kDa

Blocking/Diluting buffer 5% NFDM /TBST



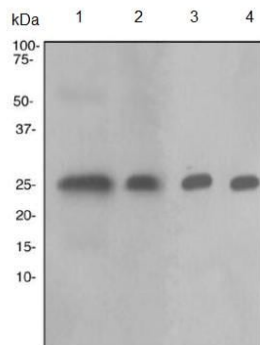
Immunohistochemical analysis of paraffin-embedded human cerebral cortex tissue sections labelling TPPP with purified ab92305 at dilution of 1/50. The secondary antibody used was **ab97051**; a goat anti-rabbit IgG H&L (HRP) at dilution of 1/500. The sample was counterstained with hematoxylin. Antigen 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.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TPPP antibody  
[EPR3316] (ab92305)



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<sup>®</sup> 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.

Flow Cytometry (Intracellular) - Anti-TPPP antibody  
[EPR3316] (ab92305)



Western blot - Anti-TPPP antibody [EPR3316]  
(ab92305)

**All lanes** : Anti-TPPP antibody [EPR3316] (ab92305) at 1/1000 dilution

**Lane 1** : Fetal brain lysate

**Lane 2** : SHSY5Y cell lysate

**Lane 3** : Mouse brain lysate

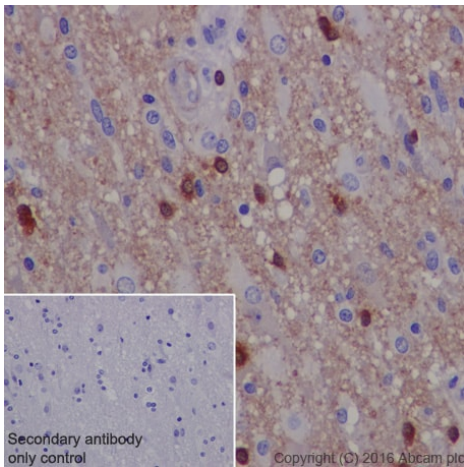
**Lane 4** : Rat brain lysate

Lysates/proteins at 10 µg per lane.

### Secondary

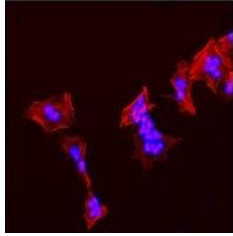
**All lanes** : HRP labelled goat anti-rabbit antibody at 1/2000 dilution

**Predicted band size:** 24 kDa



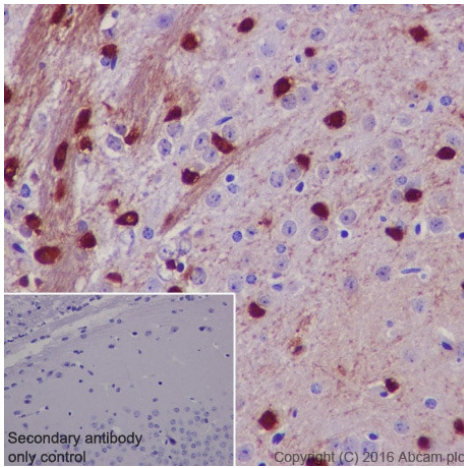
Immunohistochemistry (Formalin/PFA-fixed paraffin-  
embedded sections) - Anti-TPPP antibody  
[EPR3316] (ab92305)

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.



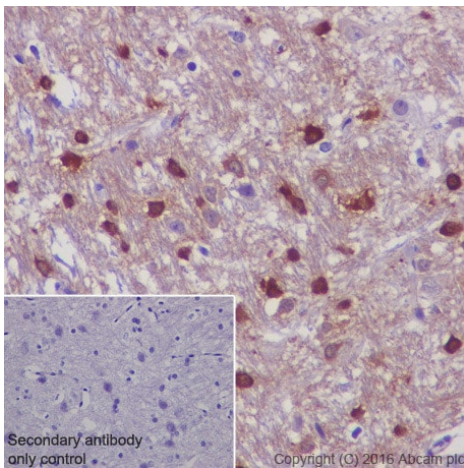
Immunocytochemistry/ Immunofluorescence - Anti-TPPP antibody [EPR3316] (ab92305)

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



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TPPP antibody [EPR3316] (ab92305)

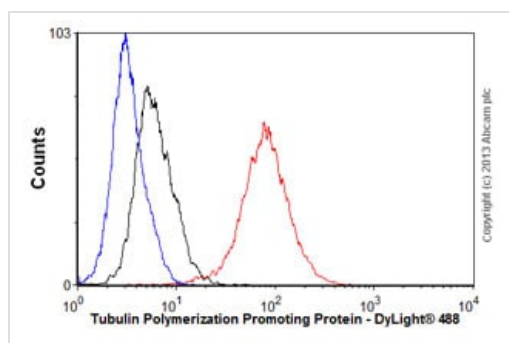
Immunohistochemical analysis of paraffin-embedded mouse cerebral cortex tissue sections labelling TPPP with purified ab92305 at dilution of 1/50. The secondary antibody used was **ab97051**; a goat anti-rabbit IgG H&L (HRP) at dilution of 1/500. The sample was counterstained with hematoxylin. Antigen 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.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TPPP antibody [EPR3316] (ab92305)

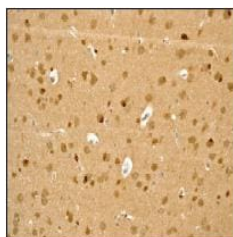
Immunohistochemical analysis of paraffin-embedded rat cerebral cortex tissue sections labelling TPPP with purified ab92305 at dilution of 1/50. The secondary antibody used was **ab97051**; a goat anti-rabbit IgG H&L (HRP) at dilution of 1/500. The sample was counterstained with hematoxylin. Antigen retrieval 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.





Flow Cytometry (Intracellular) - Anti-TPPP antibody  
[EPR3316] (ab92305)

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<sup>6</sup> 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.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TPPP antibody  
[EPR3316] (ab92305)

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

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

### Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Anti-TPPP antibody [EPR3316] (ab92305)

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