

Product datasheet

Anti-TPPP antibody [EPR3315] ab119987

Recombinant RabMAb

4 Images

Overview

Product name	Anti-TPPP antibody [EPR3315]
Description	Rabbit monoclonal [EPR3315] to TPPP
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P Unsuitable for: Flow Cyt or ICC/IF
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	Human fetal brain and SH-SY5Y cell lysates; Human astrocytoma tissue.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer	<p>pH: 7.20</p> <p>Preservative: 0.05% Sodium azide</p> <p>Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant</p>
Purity	Protein A purified
Clonality	Monoclonal

Clone number	EPR3315
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab119987 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

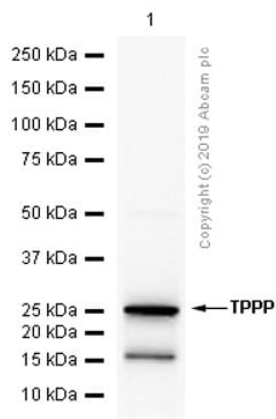
Application	Abreviews	Notes
WB		1/1000 - 1/10000. Detects a band of approximately 25 kDa (predicted molecular weight: 23 kDa).
IHC-P		1/100 - 1/250. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. Heat up to 98°C, below boiling, and then let cool for 10-20 min.

Application notes Is unsuitable for Flow Cyt or ICC/IF.

Target

Function	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.
Tissue specificity	Widely expressed.
Sequence similarities	Belongs to the TPPP family.
Post-translational modifications	Poor substrate for GSK3 (By similarity). Phosphorylated by LIMK1 on serine residues. Phosphorylation may alter the tubulin polymerization activity.
Cellular localization	Cytoplasm. Cytoplasm, cytoskeleton. Nucleus. Localizes to glial Lewy bodies in the brains of individuals with synucleinopathies.

Images



Western blot - Anti-TPPP antibody [EPR3315]
(ab119987)

Anti-TPPP antibody [EPR3315] (ab119987) at 1/1000 dilution
(Purified) + Human brain lysate at 15 µg

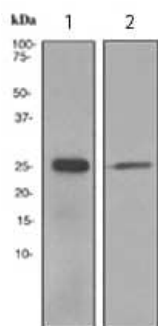
Secondary

Goat Anti-Rabbit IgG (HRP) with minimal cross-reactivity with
human IgG at 1/2000 dilution

Predicted band size: 23 kDa

Observed band size: 25 kDa

Blocking/Diluting Buffer and concentration: 5% NFDM/TBST



Western blot - Anti-TPPP antibody [EPR3315]
(ab119987)

All lanes : Anti-TPPP antibody [EPR3315] (ab119987) at 1/1000
dilution

Lane 1 : Human fetal brain lysate

Lane 2 : SH-SY5Y cell lysate

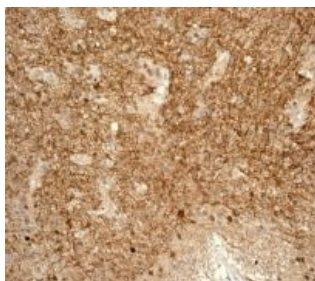
Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat anti-Rabbit HRP at 1/2000 dilution

Predicted band size: 23 kDa

The cell lysates were prepared in 1%SDS Hot lysis method



Immunohistochemistry (Formalin/PFA-fixed paraffin-
embedded sections) - Anti-TPPP antibody
[EPR3315] (ab119987)

ab119987 at 1/100 dilution staining TPPP in Paraffin-embedded
Human astrocytoma tissue by Immunohistochemistry.

Perform heat mediated antigen retrieval 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 [EPR3315] (ab119987)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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