

Product datasheet

Anti-PPP1CA + PPP1CB antibody [EP1511Y] ab52619

Recombinant RabMAb

★ ★ ★ ★ ★ [1 Abreviews](#) [6 References](#) [9 Images](#)

Overview

Product name	Anti-PPP1CA + PPP1CB antibody [EP1511Y]
Description	Rabbit monoclonal [EP1511Y] to PPP1CA + PPP1CB
Host species	Rabbit
Specificity	The immunogen for this antibody is 100% homologous with Human PPP1CA and PPP1CB
Tested applications	Suitable for: Flow Cyt (Intra), WB, IP, IHC-P, ICC/IF
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide within Human PPP1CA + PPP1CB aa 200-300. The exact sequence is proprietary. Database link: P62140
Positive control	WB: mouse brain lysate, rat brain lysate; T47-D cell lysate, HeLa cell lysate; SKBR-3 cell lysate, Jurkat cell lysate. ICC/IF: HepG2 cells. IHC-P: Human cerebral cortex tissue. Flow Cyt: HeLa cells. IP: Jurkat cells.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: <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 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 .

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal

Clone number EP1511Y
 Isotype IgG

Applications

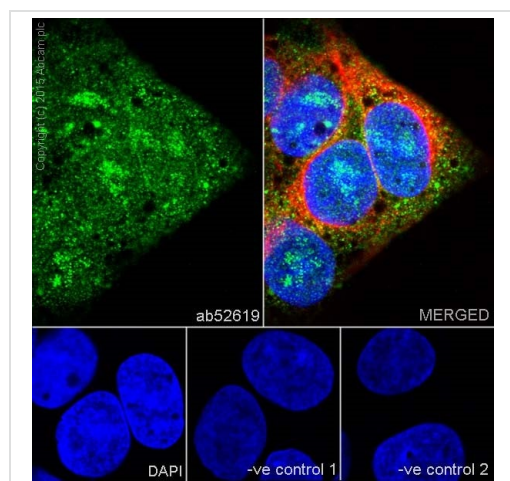
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab52619 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt (Intra)		1/100 - 1/150. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB	★ ★ ★ ★ ★ (1)	1/20000 - 1/100000. Predicted molecular weight: 37 kDa.
IP		1/30 - 1/100.
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol. See IHC antigen retrieval protocols .
ICC/IF		1/50 - 1/250.

Target

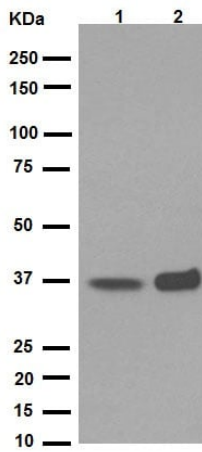
Cellular localization Cytoplasm. Nucleus. Nucleus > nucleoplasm. Nucleus > nucleolus.

Images



ab52619 staining PPP1CA + 1CB in the HepG2 cell line by ICC/IF (Immunocytochemistry/immunofluorescence). Cells were fixed with 4% Paraformaldehyde permeabilized with 0.1% Triton X-100. Samples were incubated with primary antibody (1/50). **ab150077**(1/500) an Alexa Fluor[®]488-conjugated Goat anti-rabbit IgG was used as the secondary antibody. Nuclei were counterstained with DAPI.

Immunocytochemistry/ Immunofluorescence - Anti-PPP1CA + PPP1CB antibody [EP1511Y] (ab52619)



Western blot - Anti-PPP1CA + PPP1CB antibody [EP1511Y] (ab52619)

All lanes : Anti-PPP1CA + PPP1CB antibody [EP1511Y] (ab52619) at 1/100000 dilution

Lane 1 : Mouse Brain lysate

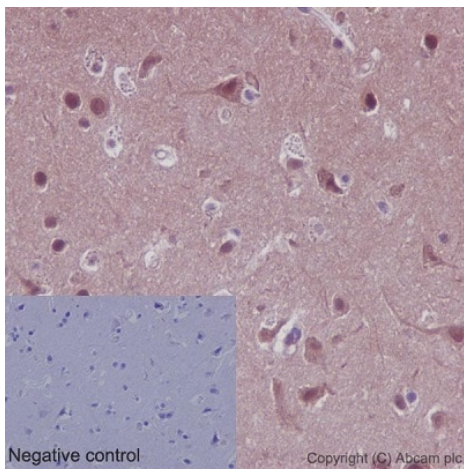
Lane 2 : Rat Brain lysate

Lysates/proteins at 20 µg per lane.

Secondary

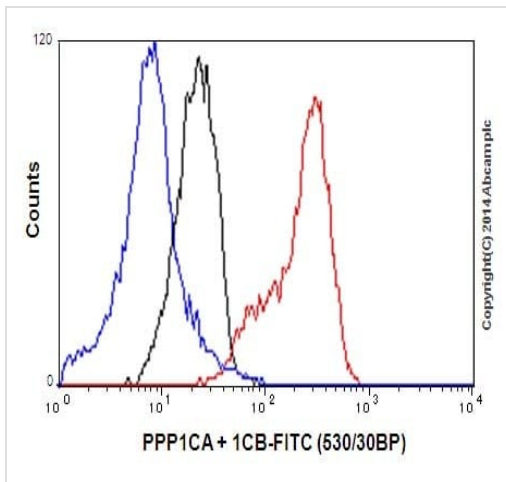
All lanes : Goat Anti-Rabbit IgG, (H+L), HRP-conjugated at 1/1000 dilution

Predicted band size: 37 kDa



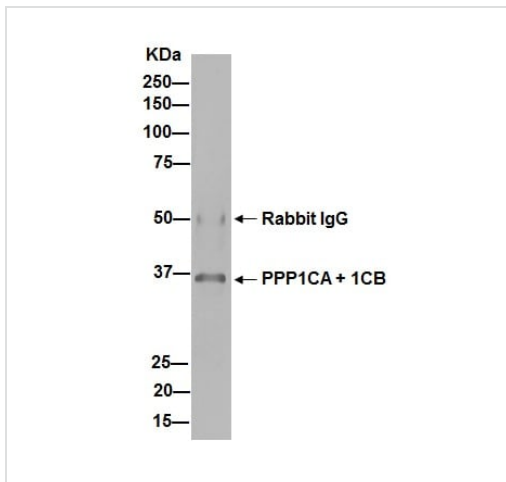
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PPP1CA + PPP1CB antibody [EP1511Y] (ab52619)

ab52619 staining PP1CA + 1CB in Human cerebrum cortex tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed and paraffin-embedded, antigen retrieval was by heat mediation in Tris/EDTA buffer pH9. Samples were incubated with primary antibody (1/50). An undiluted HRP-conjugated mouse anti-rabbit IgG was used as the secondary antibody. Tissue counterstained with Hematoxylin. PBS was used in the negative control rather than the Primary antibody.



Flow Cytometry (Intracellular) - Anti-PPP1CA + PPP1CB antibody [EP1511Y] (ab52619)

Overlay histogram showing HeLa cells stained with ab52619 (red line) at 1/150 dilution. The cells were fixed with 80% methanol. The secondary antibody used was a FITC conjugated goat anti-rabbit IgG at 1/150 dilution. Isotype control antibody (black line) was rabbit monoclonal IgG used under the same conditions. Cells also incubated without primary antibody and secondary antibody (blue line)

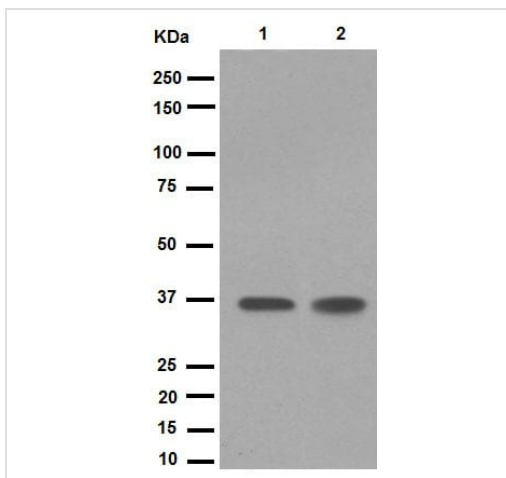


Immunoprecipitation - Anti-PPP1CA + PPP1CB antibody [EP1511Y] (ab52619)

ab52619 (purified) at 1/30 immunoprecipitating PPP1CA + 1CB in Jurkat cell lysate. For western blotting, a HRP-conjugated Goat anti-rabbit IgG, specific to the non-reduced form of IgG was used as the secondary antibody (1/1000).

Blocking buffer and concentration: 5% NFD/MTBST.

Diluting buffer and concentration: 5% NFD/MTBST.



Western blot - Anti-PPP1CA + PPP1CB antibody [EP1511Y] (ab52619)

All lanes : Anti-PPP1CA + PPP1CB antibody [EP1511Y] (ab52619) at 1/100000 dilution

Lane 1 : T47-D cell Lysate

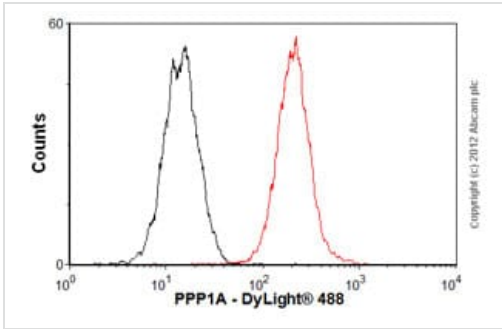
Lane 2 : HeLa cell Lysate

Lysates/proteins at 20 µg per lane.

Secondary

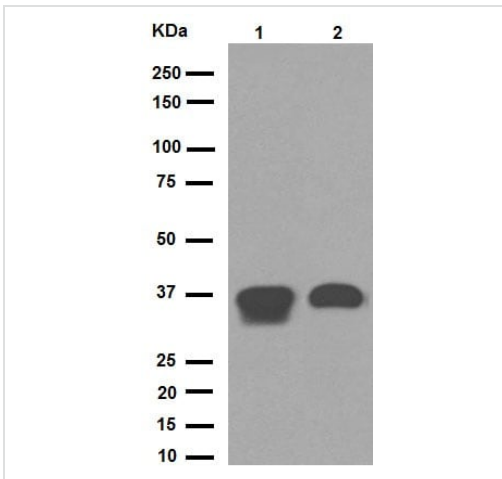
All lanes : Goat Anti-Rabbit IgG, (H+L), HRP-conjugated at 1/1000 dilution

Predicted band size: 37 kDa



Flow Cytometry (Intracellular) - Anti-PPP1CA + PPP1CB antibody [EP1511Y] (ab52619)

Overlay histogram showing HeLa cells stained with ab52619, unpurified (red line). The cells were fixed with 80% methanol (5 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 (ab52619, 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) (1µg/1x10⁶ cells) used under the same conditions. Acquisition of >5,000 events was performed.



Western blot - Anti-PPP1CA + PPP1CB antibody [EP1511Y] (ab52619)

All lanes : Anti-PPP1CA + PPP1CB antibody [EP1511Y] (ab52619) at 1/20000 dilution

Lane 1 : SKBR-3 cell lysate

Lane 2 : Jurkat cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), HRP-conjugated at 1/1000 dilution

Predicted band size: 37 kDa

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-PPP1CA + PPP1CB antibody [EP1511Y] (ab52619)

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