

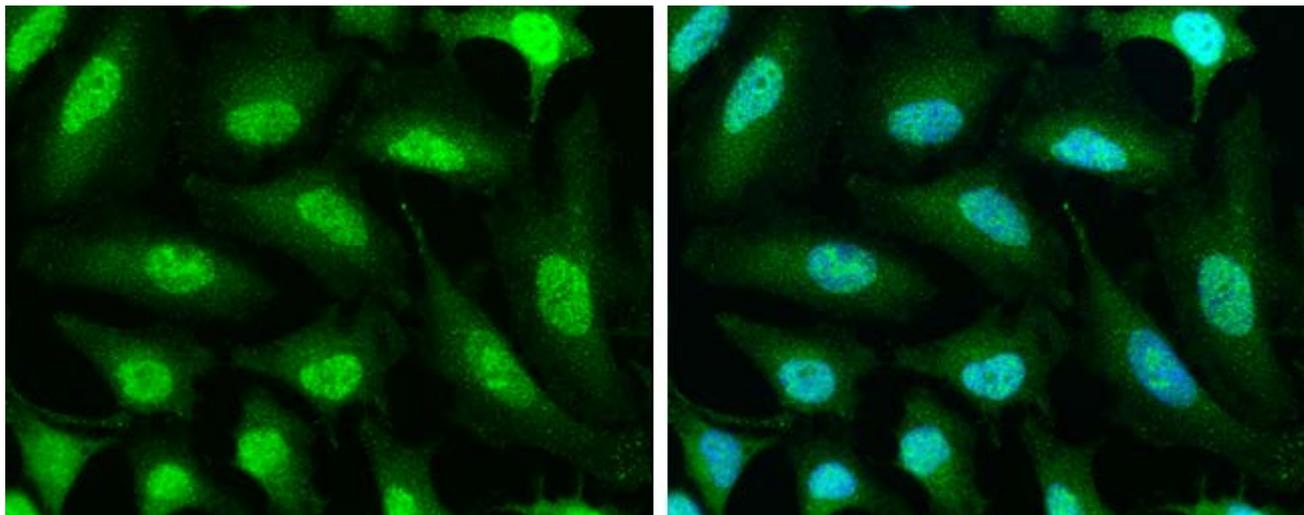


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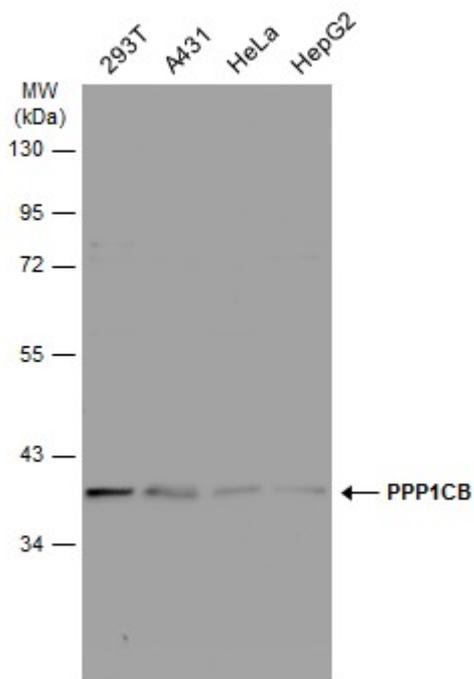
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Date : 2018/08/02

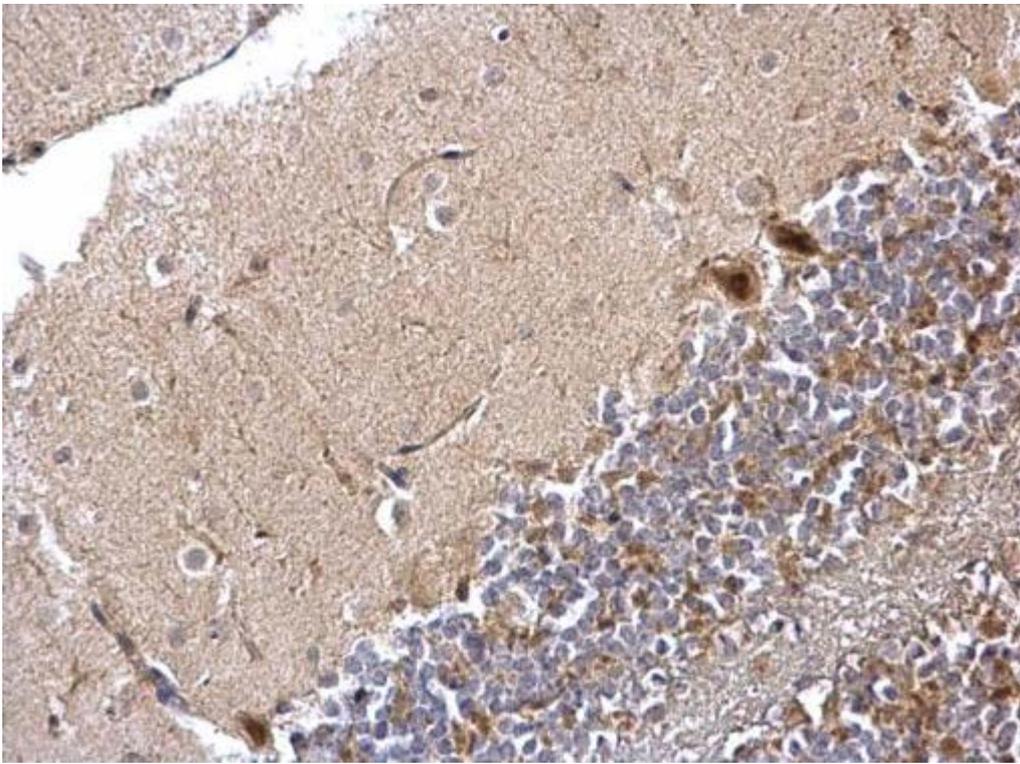
Catalog Number	GTX105295	Package:25 ul,100 ul
Product Name	PPP1CB antibody	
Full Name	protein phosphatase 1, catalytic subunit, beta isozyme	
Synonyms	MGC3672 antibody, PP-1B antibody, PP1beta antibody, PPP1CD antibody, PPP1CB antibody, protein phosphatase 1-beta antibody, protein phosphatase 1-delta antibody, "protein phosphatase 1, catalytic subunit, delta isoform antibody", serine/threonine protein phosphatase PP1-beta catalytic subunit antibody, "protein phosphatase 1, catalytic subunit, beta isoform antibody", serine/threonine-protein phosphatase PP1-beta catalytic subunit antibody, "protein phosphatase 1, catalytic subunit, beta isozyme antibody"	
Background	The protein encoded by this gene is one of the three catalytic subunits of protein phosphatase 1 (PP1). PP1 is a serine/threonine specific protein phosphatase known to be involved in the regulation of a variety of cellular processes, such as cell division, glycogen metabolism, muscle contractility, protein synthesis, and HIV-1 viral transcription. Mouse studies suggest that PP1 functions as a suppressor of learning and memory. Two alternatively spliced transcript variants encoding distinct isoforms have been observed. [provided by RefSeq]	
Host	Rabbit	
Clonality	Polyclonal	
Isotype	IgG	
Immunogen	Recombinant protein encompassing a sequence within the center region of human PPP1CB. The exact sequence is proprietary.	
Antigen Species	Human	
Species Reactivity	Human, Mouse	
Predicted Cross Reactivity species	Rat, Zebrafish, Xenopus laevis, Dog, Pig, Rabbit, Chicken, Rhesus Monkey, Bovine	
Predict Reactivity Note	Rat (100%), Zebrafish (99%), Xenopus laevis (100%), Dog (99%), Pig (100%), Rabbit (100%), Chicken (100%), Rhesus Monkey (100%), Bovine (100%)	
Applications	ICC/IF, IHC-Fr, IHC-P, WB	
Application Note	Immunocytochemistry/ Immunofluorescence (ICC/IF)	Suggested dilution 1:100-1:1000*
	IHC (Frozen sections)	1:100-1:1000*
	IHC (Formalin-fixed paraffin-embedded sections)	1:100-1:1000*
	Western Blot (WB)	1:500-1:3000*
	Not tested in other applications.	
	*Optimal dilutions/concentrations should be determined by the researcher.	
Positive Controls	293T , A431 , HeLa , HepG2 , Mouse brain	
Predicted Target Size	37 kDa	
Cellular Localization	Cytoplasm	
Conjugation	Unconjugated	
Form Supplied	Liquid	
Purification	Purified by antigen-affinity chromatography.	
Concentration	0.5 mg/ml (Please refer to the vial label for the specific concentration)	
Storage Buffer	0.1M Tris, 0.1M Glycine, 10% Glycerol (pH7). 0.01% Thimerosal was added as a preservative.	
Storage Instruction	Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.	
Notes	For <i>In vitro</i> laboratory use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.	



- GTX105295 ICC/IF Image
- PPP1CB antibody detects PPP1CB protein at cytoplasm and nucleus by immunofluorescent analysis. Sample: HeLa cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: PPP1CB stained by PPP1CB antibody (GTX105295) diluted at 1:500. Blue: Hoechst 33342 staining.

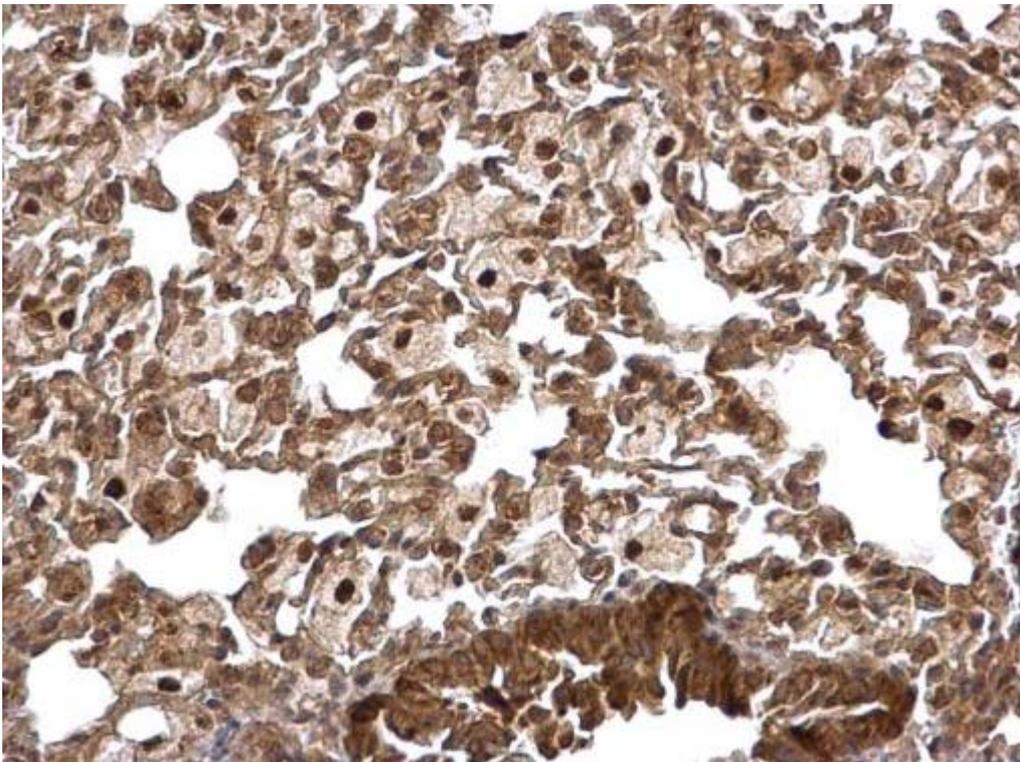


- GTX105295 WB Image
- Various whole cell extracts (30 μ g) were separated by 10% SDS-PAGE, and the membrane was blotted with PPP1CB antibody (GTX105295) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



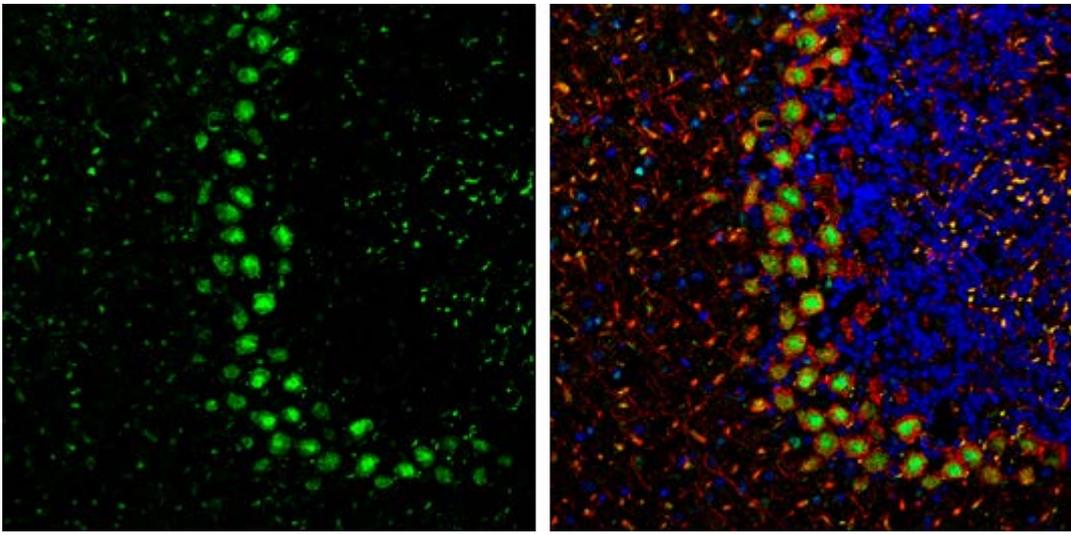
- GTX105295 IHC-P Image
- PPP1CB antibody detects PPP1CB protein at nucleus and cytosol on mouse hind brain by immunohistochemical analysis.

Sample: Paraffin-embedded mouse hind brain.
PPP1CB antibody (GTX105295) dilution: 1:500.

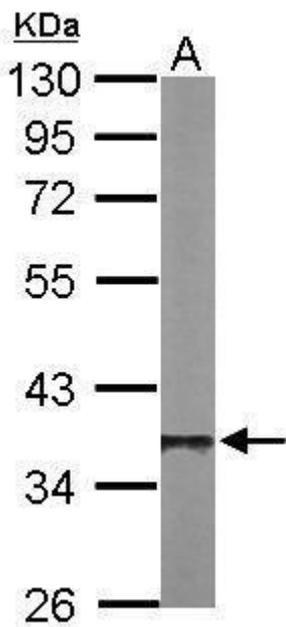


- GTX105295 IHC-P Image
- PPP1CB antibody detects PPP1CB protein at nucleus and cytosol on mouse lung by immunohistochemical analysis.

Sample: Paraffin-embedded mouse lung.
PPP1CB antibody (GTX105295) dilution: 1:500.



- GTX105295 IHC-Fr Image
- PPP1CB antibody detects PPP1CB Protein expression by immunohistochemical analysis.
Sample: Frozen-sectioned adult mouse cerebellum.
Green: PPP1CB stained by PPP1CB antibody (GTX105295) diluted at 1:250.
Red: NF-H, stained by NF-H antibody [GT114] (GTX634289) diluted at 1:500.
Blue: Fluoroshield with DAPI (GTX30920).



- GTX105295 WB Image
- Sample (50 μ g of whole cell lysate)
A: Mouse brain
10% SDS PAGE
GTX105295 diluted at 1:1000
The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.