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PPIC Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9355C

Specification

PPIC Antibody (Center) - Product Information

Application	**WB, IHC-P, FC,E**
Primary Accession	P45877
Other Accession	Q08E11
Reactivity	**Human**
Predicted	**Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**22763**
Antigen Region	**61-89**

PPIC Antibody (Center) - Additional Information

Gene ID 5480

Other Names
Peptidyl-prolyl cis-trans isomerase C, PPIase C, Cyclophilin C, Rotamase C, PPIC, CYPC

Target/Specificity
This PPIC antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 61-89 amino acids from the Central region of human PPIC.

Dilution
WB~~1:1000
IHC-P~~1:50~100
FC~~1:10~50

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
PPIC Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

PPIC Antibody (Center) - Protein Information

Name PPIC (HGNC:9256)

Synonyms CYPC

Function PPIase that catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides and may therefore assist protein folding.

Cellular Location
Cytoplasm {ECO:0000250|UniProtKB:P30412}.

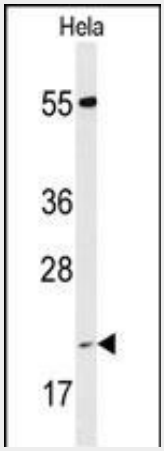
Tissue Location
Expressed in kidney, skeletal muscle, pancreas, heart, lung, liver and to a lower extent in brain

PPIC Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

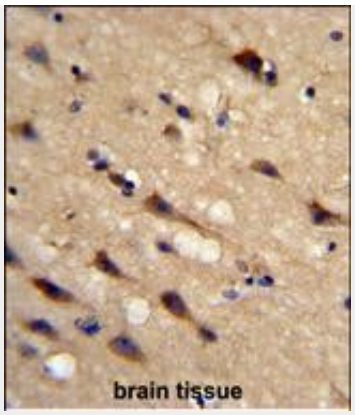
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

PPIC Antibody (Center) - Images

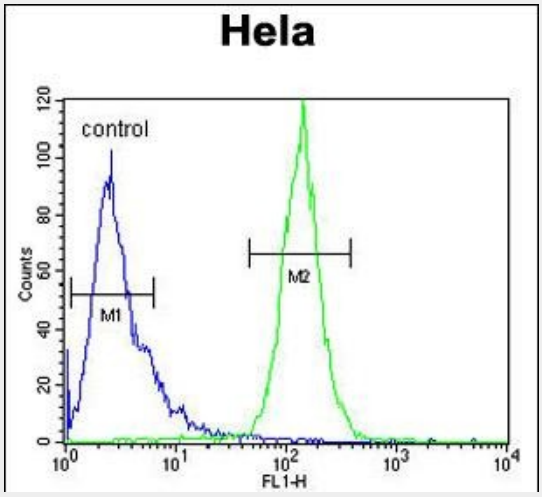


Western blot analysis of PPIC Antibody (Center) (Cat. #AP9355c) in Hela cell line lysates (35ug/lane). PPIC (arrow) was detected using the purified Pab.

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Formalin-fixed and paraffin-embedded human brain tissue reacted with PPIC Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



PPIC Antibody (Center) (Cat. #AP9355c) flow cytometric analysis of Hela cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

PPIC Antibody (Center) - Background

PPIC is a member of the peptidyl-prolyl cis-trans isomerase (PPIase)) family. PPIases catalyze the cis-trans isomerization of proline imidic peptide bonds in oligopeptides and accelerate the folding of proteins. Similar to other PPIases, this protein can bind immunosuppressant cyclosporin A.

PPIC Antibody (Center) - References

Vasan,R.S. JAMA 302 (2), 168-178 (2009)
Lim,J. Cell 125 (4), 801-814 (2006)
Trahey,M. Proc. Natl. Acad. Sci. U.S.A. 96 (6), 3006-3011 (1999)