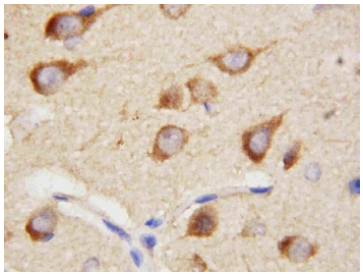
PPID Antibody / Peptidyl-prolyl cis-trans isomerase D (R30544)

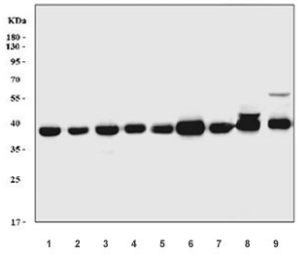
Catalog No.	Formulation	Size
R30544	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	Q08752
Localization	Cytoplasmic, nuclear
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 0.5-1ug/ml
Limitations	This PPID antibody is available for research use only.



IHC staining of FFPE rat brain tissue with PPID antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of 1) human K562, 2) human HEL, 3) human Jurkat, 4) human MOLT-4, 5) human PC-3, 6) human HL60, 7) human ThP-1, 8) rat liver and 9) mouse liver tissue lysate with PPID antibody. Predicted molecular weight ~40 kDa.

Description

Peptidyl-prolyl cis-trans isomerase D, also known as PPID and Cyclophilin 40, is an enzyme which in humans is encoded by the PPID gene. The protein encoded by this gene is a member of the peptidyl-prolyl cis-trans isomerase(PPIase) family. The gene contains 10 exons and spans 14.2 kb of genomic DNA. By fluorescence in situ hybridization, the PPID gene is mapped to chromosome 4q31.3. PPIases catalyze the cis-trans isomerization of proline imidic peptide bonds in oligopeptides and accelerate the folding of proteins. This protein has been shown to possess PPIase activity and, similar to other family members, can bind to the immunosuppressant ciclosporin.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the PPID antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Amino acids 351-370 (KQKIKAQKDKEKAVYAKMFA-human) were used as the immunogen for this PPID antibody.

Storage

After reconstitution, the PPID antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Copyright © NSJ Bioreagents. All rights reserved.