

PPIH (T-14): sc-79700

BACKGROUND

PPIH (peptidylprolyl isomerase H (Cyclophilin H)), also known as PPlase H, Rotamase H, CypH, CYP20 or USA-CYP (U-snRNP-associated cyclophilin SnuCyp-20), is a 177 amino acid protein that belongs to the cyclophilin-type PPlase family. PPIH may accelerate the folding of proteins and catalyzes the *cis-trans* isomerization of proline imidic peptide bonds in oligopeptides. PPIH is thought to participate in pre-mRNA splicing with processing factors PRPF3, PRPF4 and PRPF18 and may be involved in the assembly of the U4/U5/U6 tri-snRNP complex. Considered a protein chaperone, PPIH possesses PPlase activity and mediates the interactions between different proteins inside the spliceosome. PPIH contains one PPlase cyclophilin-type domain and is inhibited by Cyclosporin A.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: PPIH (human) mapping to 1p34.2; PpIH (mouse) mapping to 4 D2.1.

SOURCE

PPIH (T-14) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of PPIH of human origin.

PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-79700 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

Available as TransCruz reagent for Gel Supershift and ChIP applications, sc-79700 X, 200 µg/0.1 ml.

APPLICATIONS

PPIH (T-14) is recommended for detection of PPIH of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

PPIH (T-14) is also recommended for detection of PPIH in additional species, including equine, canine, bovine and avian.

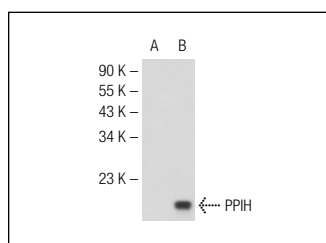
Suitable for use as control antibody for PPIH siRNA (h): sc-76207, PPIH siRNA (m): sc-76208, PPIH shRNA Plasmid (h): sc-76207-SH, PPIH shRNA Plasmid (m): sc-76208-SH, PPIH shRNA (h) Lentiviral Particles: sc-76207-V and PPIH shRNA (m) Lentiviral Particles: sc-76208-V.

PPIH (T-14) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

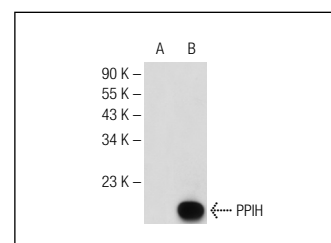
Molecular Weight of PPIH: 20 kDa.

Positive Controls: PPIH (h3): 293T Lysate: sc-110830 or PPIH (m): 293T Lysate: sc-125851.

DATA



PPIH (T-14): sc-79700. Western blot analysis of PPIH expression in non-transfected: sc-117752 (A) and human PPIH transfected: sc-110830 (B) 293T whole cell lysates.



PPIH (T-14): sc-79700. Western blot analysis of PPIH expression in non-transfected: sc-117752 (A) and mouse PPIH transfected: sc-125851 (B) 293T whole cell lysates.

STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

RESEARCH USE

For research use only, not for use in diagnostic procedures.