PPIH Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PPIH, Polyclonal Antibody
Full Product Name	PPIH Polyclonal Antibody
Product Gene Name	anti-PPIH antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Rat
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.
Purity/Purification	Affinity Purification
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	14kDa; 19kDa
OMIM	606095
3D Structure	ModBase 3D Structure for O43447
Immunogen	Recombinant protein of human PPIH (NP_006338.1).
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-PPIH antibody	Western Blot (WB)
Application Notes for anti-PPIH antibody	WB: 1:500-1:2000
Related Product Information for anti-PPIH antibody	The protein encoded by this gene 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. This protein is a specific component of the complex that includes pre-mRNA processing factors PRPF3, PRPF4, and PRPF18, as well as U4/U5/U6 tri-snRNP. This protein has been shown to possess PPIase activity and may act as a protein chaperone that mediates the interactions between different proteins inside the spliceosome.
Other Notes	Small volumes of anti-PPIH antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for PPIH purchase	MBS8567204 is an antibody targeting PPIH. Also known as PPIH Polyclonal Antibody. Reactive in Human, Rat. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PPIH. It may not necessarily be applicable to this product.

NCBI GI #	5454154
NCBI GeneID	10465
NCBI Accession #	NP_006338.1
UniProt Primary Accession #	O43447

UniProt Related Accession #	O43447
GenBank Nucleotide #	NP_006338.1
NCBI Official Full Name	peptidyl-prolyl cis-trans isomerase H isoform 1
NCBI Official Synonym Full Names	peptidylprolyl isomerase H
NCBI Official Symbol	PPIH
NCBI Official Synonym Symbols	CYPH; CYP-20; USA-CYP; SnuCyp-20
UniProt Protein Name	Peptidyl-prolyl cis-trans isomerase H
UniProt Synonym Protein Names	Rotamase H; Small nuclear ribonucleoprotein particle-specific cyclophilin H; CypH; U-snRNP-associated cyclophilin SnuCyp-20; USA-CYP
UniProt Gene Name	PPIH
UniProt Synonym Gene Names	CYP20; CYPH; PPIase H; CypH; USA-CYP
UniProt Entry Name	PPIH_HUMAN
NCBI Protein Information	peptidyl-prolyl cis-trans isomerase H
UniProt Comments for PPIH	PPIH: PPIases accelerate the folding of proteins. It catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides. Participates in pre-mRNA splicing. May play a role in the assembly of the U4/U5/U6 tri-snRNP complex. May act as a chaperone. Belongs to the cyclophilin-type PPIase family. PPIase H subfamily. Protein type: Cyclophilin; Isomerase; RNA processing; Spliceosome; EC 5.2.1.8 Chromosomal Location of Human Ortholog: 1p34.1 Cellular Component: spliceosome; U4/U6 x U5 tri-snRNP complex; cytoplasm; nuclear speck Molecular Function: ribonucleoprotein binding; protein binding; peptidyl-prolyl cis-trans isomerase activity; cyclosporin A binding Biological Process: nuclear mRNA splicing, via spliceosome; protein peptidyl-prolyl isomerization; positive regulation of viral genome replication; protein folding; protein complex assembly
Research Articles on PPIH	**1.** Free and complexed cyclophilin H have virtually identical conformations suggesting that the U4/U6-60K binding site is pre-shaped and the peptidyl-prolyl-cis/trans isomerase activity is unaffected by complex formation
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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