



PPIG Polyclonal Antibody

Catalog No	YP-Ab-05902
Isotype	IgG
Reactivity	Human;Rat;Mouse
Applications	WB;ELISA
Gene Name	PPIG
Immunogen	Synthesized peptide derived from human protein . at AA range: 290-370
Specificity	PPIG Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Cyclophilin G;Clk-associating RS-cyclophilin;CASP10;CARS-Cyp;CARS-cyclophilin;PPIG;Peptidyl-prolyl cis-trans isomerase G (PPIase G) (Peptidyl-prolyl isomerase G) (EC 5.2.1.8) (CASP10) (Clk-associating RS-cyclophilin) (CARS-Cyp) (CARS-cyclophilin) (SR-cyclophilin) (SR-cyp) (SRcyp) (C
Observed Band	89 kDa
Calculated Molecular Weight	739 aa, 87 kDa
Cell Pathway	Nucleus matrix . Nucleus speckle . Colocalizes with RNA splicing factors at nuclear speckles. .
Tissue Specificity	Ubiquitous.
Function	catalytic activity:Peptidylproline (omega=180) = peptidylproline (omega=0)., domain:The RS domain is required for the interaction with the phosphorylated C-terminal domain of RNA polymerase II.,enzyme regulation:Cyclosporin A (CsA)-sensitive.,function:PPIases accelerate the folding of proteins.,function:PPIases accelerate the folding of proteins. It catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides.,function:PPIases accelerate the folding of proteins. It catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides. May be implicated in the folding, transport, and assembly of proteins. May play an important role in the regulation of pre-mRNA



splicing.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,
similarity:Belongs to the cyclophilin-type PPIase family.,similarity:Contains 1
PPIase cyclophilin-type domain.,subcell

Background

catalytic activity:Peptidylproline (omega=180) = peptidylproline (omega=0).,
domain:The RS domain is required for the interaction with the phosphorylated C-
terminal domain of RNA polymerase II.,enzyme regulation:Cyclosporin A (CsA)-
sensitive.,function:PPIases accelerate the folding of proteins.,function:PPIases
accelerate the folding of proteins. It catalyzes the cis-trans isomerization of
proline imidic peptide bonds in oligopeptides.,function:PPIases accelerate the
folding of proteins. It catalyzes the cis-trans isomerization of proline imidic
peptide bonds in oligopeptides. May be implicated in the folding, transport, and
assembly of proteins. May play an important role in the regulation of pre-mRNA
splicing.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,
similarity:Belongs to the cyclophilin-type PPIase family.,similarity:Contains 1
PPIase cyclophilin-type domain.,subcellular location:Colocalizes with RNA
splicing factors at nuclear speckles.,subunit:Interacts with CLK1, PNN and with
the phosphorylated C-terminal domain of RNA polymerase II.,tissue
specificity:Ubiquitous.,

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For
more information, please consult technical personnel.

Products Images