

亲环蛋白（亲环素）PPIG 抗体

产品货号： mlR3536

英文名称： PPIG

中文名称： 亲环蛋白（亲环素）PPIG 抗体

别名： CARS cyclophilin; CARS Cyp; CARS-cyclophilin; CARS-Cyp; CASP 10; CASP10; Clk associating RS cyclophilin; Clk-associating RS-cyclophilin; Cyclophilin G; CyclophilinG; CYP; MGC133241; Peptidyl prolyl cis trans isomerase G; Peptidyl prolyl isomerase G; Peptidyl-prolyl cis-trans isomerase G; Peptidyl-prolyl isomerase G; Peptidylprolyl isomerase G (cyclophilin G); Peptidylprolyl isomerase G; PPlase G; Ppig; PPIG_HUMAN; Rotamase G; RotamaseG; SCAF10; SR cyclophilin; SR cyp; SR related CTD associated factor 10; SR-cyclophilin; SR-cyp; SRcyp.

研究领域： 细胞生物 免疫学 染色质和核信号 信号转导 表观遗传学

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Dog, Pig, Cow, Horse, Rabbit,

产品应用： ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 IF=1:100-500 （石蜡切片需做抗原修复）

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

分子量： 89kDa

细胞定位： 细胞核

性状： Lyophilized or Liquid

浓度： 1mg/ml

免 疫 原： KLH conjugated synthetic peptide derived from human PPIG:351-450/754

亚 型： IgG

纯化方法： affinity purified by Protein A

储 存 液： 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件： Store at -20 ° C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20° C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ° C.

PubMed： PubMed

产品介绍： PPIG belongs to the the peptidyl-prolyl cis/trans isomerase protein family (PPIases). PPIases accelerate the folding of proteins. PPIG catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides and is implicated in the folding, transport, and assembly of proteins. It is distributed in nuclear speckles, a nuclear compartment rich in splicing factors, and colocalizes with the splicing factors SC35 and pinin, suggesting a role in the regulation of pre-mRNA splicing.

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.

Subunit:

Interacts with CLK1, PNN and with the phosphorylated C-terminal domain of RNA polymerase II.

Subcellular Location:

Nucleus matrix. Nucleus speckle. Note=Colocalizes with RNA splicing factors at nuclear speckles.

Tissue Specificity:

Ubiquitous.

Post-translational modifications:

Phosphorylated upon DNA damage, probably by ATM or ATR.

Similarity:

Contains 1 PPlase cyclophilin-type domain.

SWISS:

Q13427

Gene ID:

9360

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

肽基脯氨酰基顺反异构酶，广泛存在于各种组织和器官。根据对免疫抑制剂的敏感性，分属三个独立的家族：亲环蛋白 PPIG、FK506 结合蛋白和细蛋白。能够加速自身折叠和体内新生肽链折叠及变性蛋白质的体外折叠，主要分布于内质网。