10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

phospho-PPIG (Ser376) Rabbit pAb

Catalog # AP99774

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q13427
Other Accession	Q13427
Reactivity	Human, Mouse
Predicted	Rat, Pig, Chicken, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	88617
Physical State	Liquid
Immunogen	KLH conjugated Synthesised phosphopeptide derived from human PPIG around the phosphorylation site of Ser376
Epitope Specificity	VS(p-S)GE
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 1 PPIase cyclophilin-type domain.
SUBUNIT	Interacts with CLK1, PNN and with the phosphorylated C-terminal domain of RNA polymerase II.
Post-translational modifications	Phosphorylated upon DNA damage, probably by ATM or ATR.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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.

Additional Information

Gene ID	9360
Other Names	CARS-Cyp; CYP; SCAF10; SRCyp; B230312B02Rik; PPIG_HUMAN; PPIG; PPIase G; Peptidyl-prolyl isomerase G; CASP10; Clk-associating RS-cyclophilin (CARS-Cyp | CARS-cyclophilin | SR-cyclophilin | SR-cyp | SRcyp); Cyclophilin G; Rotamase G; 5.2.1.8; PPIG_MOUSE; PPIG_RAT; Matrin cyclophilin (Matrin-cyp); peptidylprolyl isomerase G; SR-related CTD-associated factor 10; PPIG (phospho-S376); p-PPIG; phospho-PPIG; PPIG (phospho-Ser376)
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500

Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

Protein Information

Name	PPIG
Function	PPIase that catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides and may therefore assist protein folding (PubMed:20676357). May be implicated in the folding, transport, and assembly of proteins. May play an important role in the regulation of pre-mRNA splicing.
Cellular Location	Nucleus matrix. Nucleus speckle. Note=Colocalizes with RNA splicing factors at nuclear speckles
Tissue Location	Ubiquitous..

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.