

Cyclophilin F Rabbit mAb
Catalog # AP75319**Specification****Cyclophilin F Rabbit mAb - Product Information**

Application	WB, IHC
Primary Accession	P30405
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	22040

Cyclophilin F Rabbit mAb - Additional Information

Gene ID 10105

Other Names

PPIF

Dilution

WB~~1/500-1/1000

IHC~~1/50-1/100

Format

Liquid

Cyclophilin F Rabbit mAb - Protein Information

Name PPIF

Synonyms CYP3

Function

PPIase that catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides and may therefore assist protein folding (PubMed: [20676357](http://www.uniprot.org/citations/20676357)). Involved in regulation of the mitochondrial permeability transition pore (mPTP) (PubMed: [26387735](http://www.uniprot.org/citations/26387735)). It is proposed that its association with the mPTP is masking a binding site for inhibiting inorganic phosphate (Pi) and promotes the open probability of the mPTP leading to apoptosis or necrosis; the requirement of the PPIase activity for this function is debated (PubMed: [26387735](http://www.uniprot.org/citations/26387735)). In cooperation with mitochondrial p53/TP53 is involved in activating oxidative stress-induced necrosis (PubMed: [22726440](http://www.uniprot.org/citations/22726440)). Involved in modulation of mitochondrial membrane F(1)F(0) ATP synthase activity and regulation of mitochondrial matrix adenine nucleotide levels (By similarity). Has anti-apoptotic activity independently of mPTP and in cooperation with BCL2 inhibits cytochrome c-dependent apoptosis (PubMed: [19228691](http://www.uniprot.org/citations/19228691))

target="_blank">19228691).

Cellular Location
Mitochondrion matrix

Cyclophilin F Rabbit mAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Cyclophilin F Rabbit mAb - Images



