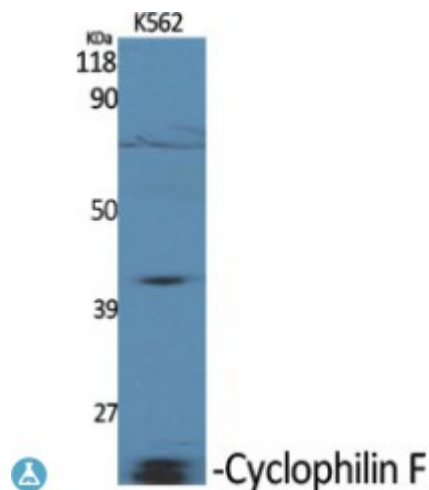


Anti-Cyclophilin F antibody



Description	Rabbit polyclonal to Cyclophilin F.
Model	STJ92550
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, IF, IHC, WB
Immunogen	Synthesized peptide derived from human Cyclophilin F
Immunogen Region	60-140 aa, Internal
Gene ID	10105
Gene Symbol	PPIF
Dilution range	WB 1:500-1:2000IHC 1:100-1:300IF 1:200-1:1000ELISA 1:20000
Specificity	Cyclophilin F Polyclonal Antibody detects endogenous levels of Cyclophilin F protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Peptidyl-prolyl cis-trans isomerase F, mitochondrial PPIase F Cyclophilin D CyP-D CypD Cyclophilin F Mitochondrial cyclophilin CyP-M Rotamase F
Molecular Weight	22 kDa
Clonality	Polyclonal
Conjugation	Unconjugated

Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:9259OMIM:604486
Alternative Names	Peptidyl-prolyl cis-trans isomerase F, mitochondrial PPIase F Cyclophilin D CyP-D CypD Cyclophilin F Mitochondrial cyclophilin CyP-M Rotamase F
Function	PPIases accelerate the folding of proteins. It catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides. Involved in regulation of the mitochondrial permeability transition pore (mPTP). 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. In cooperation with mitochondrial TP53 is involved in activating oxidative stress-induced necrosis. Involved in modulation of mitochondrial membrane F(1)F(0) ATP synthase activity and regulation of mitochondrial matrix adenine nucleotide levels. Has anti-apoptotic activity independently of mPTP and in cooperation with BCL2 inhibits cytochrome c-dependent apoptosis.
Cellular Localization	Mitochondrion matrix
Post-translational Modifications	Deacetylated at Lys-167 by SIRT3.