

产品名称: Cyclophilin F (1L16) Rabbit Monoclonal Antibody
产品货号: AMRe09611



产品概述 (Summary)

产品名称 (Production Name)	Cyclophilin F (1L16) Rabbit Monoclonal Antibody
描述 (Description)	Recombinant rabbit monoclonal antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,FC
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Monoclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% protective protein.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	PPIF
别名 (Alternative Names)	Cyclophilin 3; cyclophilin D; Cyclophilin F; Cyp D; CyP M; CYP3; CypD; hCyP3; Mitochondrial cyclophilin; PPIase; PPIase F; Ppif; Rotamase;
基因 ID (Gene ID)	10105.0
蛋白 ID (SwissProt ID)	P30405.A synthetic peptide of human Cyclophilin F

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:500-1:5000,ICC/IF 1:100-1:200,FC 1:200-1:500
蛋白分子量 (Molecular Weight)	22kDa

研究背景 (Background)

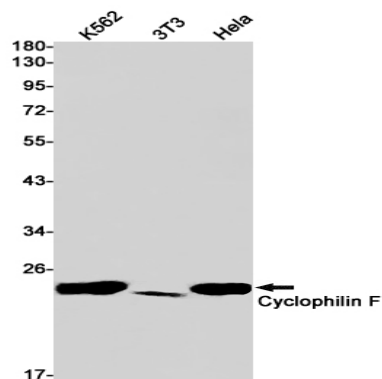
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PPlases accelerate the folding of proteins. It catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides. PPlase that catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides and may therefore assist protein folding (PubMed:20676357). Involved in regulation of the mitochondrial permeability transition pore (mPTP) (PubMed: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 PPlase activity for this function is debated (PubMed:26387735). In cooperation with mitochondrial p53/TP53 is involved in activating oxidative stress-induced necrosis (PubMed: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).

研究领域 (Research Area)

Immunology

图片 (Image Data)



Western blot detection of Cyclophilin F in K562,3T3,HeLa cell lysates using Cyclophilin F antibody(1:1000 diluted).

注意事项 (Note)

For research use only .