

Cyclophilin F Rabbit mAb

Catalog No: #52240

Package Size: #52240-1 50ul #52240-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

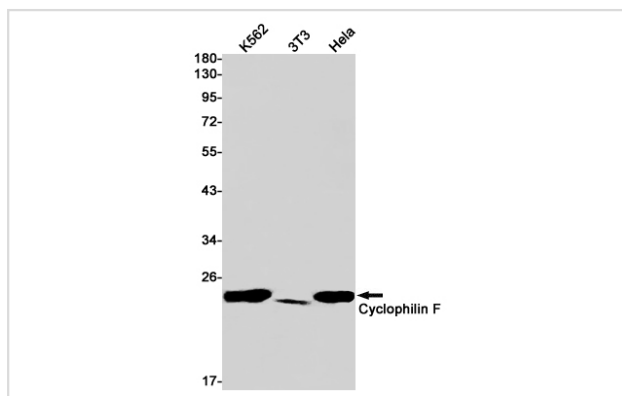
Description

Product Name	Cyclophilin F Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	S02-619
Isotype	Rabbit IgG
Purification	Affinity Purified
Applications	WB IHC
Species Reactivity	Human,Mouse,Rat
Immunogen Description	A synthetic peptide of human Cyclophilin F
Conjugates	Unconjugated
Modification	Unmodification
Other Names	CYP3; CypD; CyP-M; Cyp-D
Accession No.	Swiss-Prot:P30405GenelD:10105
Uniprot	P30405
GenelD	10105
Calculated MW	Calculated MW: 22 kDa; Observed MW: 18 kDa
Concentration	0.3 mg/ml
Formulation	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

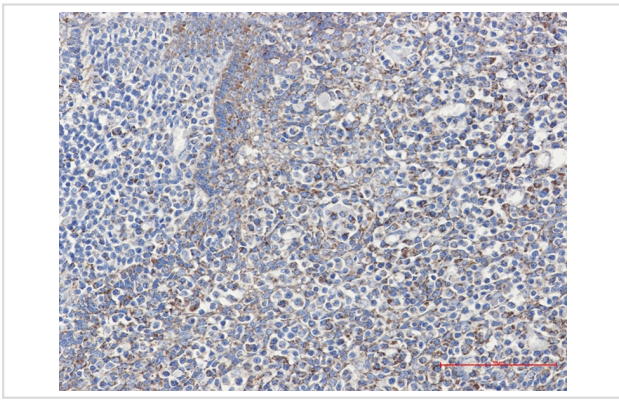
Application Details

WB: 1/1000; IHC: 1/500;

Images



Western blot detection of Cyclophilin F in K562,3T3,HeLa cell lysates using Cyclophilin F Rabbit mAb(1:1000 diluted).Predicted band size:22kDa.Observed band size:18kDa.



Immunohistochemistry of Cyclophilin F in paraffin-embedded Human tonsil using Cyclophilin F Rabbit mAb at dilution 1/50

Background

Swiss-Prot Acc.P30405.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). 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. In cooperation with mitochondrial TP53 is involved in activating oxidative stress-induced necrosis. Involved in modulation of mitochondrial membrane F1F0 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.

Note: This product is for in vitro research use only