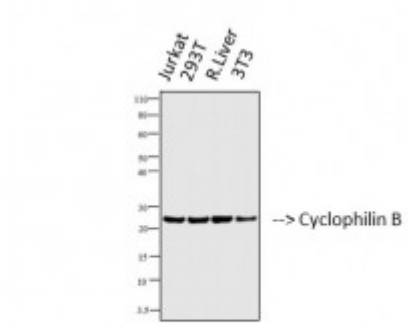
Anti-Cyclophilin B antibody



Western Blot (WB) analysis of 1. Jurkat 2. 293T 3. Rat Liver 4. 3T3 cells using Cyclophilin B Monoclonal Antibody. (STJ97530)

Description	Cyclophilin B is a protein encoded by the PPIB gene which is approximately 23,7 kDa. Cyclophilin B is localised to the endoplasmic reticulum lumen and melanosome. It is involved in collagen chain trimerization, degradation of the extracellular matrix and the prolactin signalling pathway. It is a cyclosporine-binding protein that binds to cells derived from T- and B-lymphocytes, and may regulate cyclosporine A-mediated immunosuppression. Cyclophilin B is expressed in the skin, nervous system, liver, lung and stomach. Mutations in the PPIB gene may result in osteogenesis imperfecta. STJ97530 was developed from clone 2B10 and was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen. This primary antibody detects endogenous levels of Cyclophilin B.

Model	STJ97530
Host	Mouse
Reactivity	Human, Mouse, Rat
Applications	WB
Immunogen	Synthetic Peptide
Gene ID	5479
Gene Symbol	PPIB
Dilution range	WB 1:1000-2000
Specificity	Cyclophilin B Mouse Monoclonal Antibody (2B10) detects endogenous levels of Cyclophilin B
Purification	The antibody was affinity-purified from mouse ascites by affinity-

	chromatography using specific immunogen.
Clone ID	2B10
Note	For Research Use Only (RUO).
Protein Name	Peptidyl-prolyl cis-trans isomerase B PPIase B CYP-S1 Cyclophilin B Rotamase B S-cyclophilin SCYLP
Clonality	Monoclonal
Conjugation	Unconjugated
Isotype	IgG1
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:9255OMIM:123841
Alternative Names	Peptidyl-prolyl cis-trans isomerase B PPIase B CYP-S1 Cyclophilin B Rotamase B S-cyclophilin SCYLP
Function	PPIases accelerate the folding of proteins. It catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides.
Cellular Localization	Endoplasmic reticulum lumen Melanosome. Identified by mass spectrometry in melanosome fractions from stage I to stage IV .