

**Cyclophilin B Monoclonal Antibody(2B10), HRP Conjugated**

<b>Catalog No :</b>	YM2027
<b>Reactivity :</b>	Human;Rat;Mouse
<b>Applications :</b>	IF;WB;IHC;
<b>Target :</b>	Cyclophilin B
<b>Gene Name :</b>	PPIB
<b>Protein Name :</b>	Peptidyl-prolyl cis-trans isomerase B (PPIase B) (EC 5.2.1.8) (CYP-S1) (Cyclophilin B) (Rotamase B) (S-cyclophilin) (SCYLP)
<b>Human Gene Id :</b>	5479
<b>Human Swiss Prot No :</b>	P23284
<b>Specificity :</b>	Cyclophilin B Monoclonal Antibody(2B10) HRP Conjugated, specially designed for your Western blot analysis.
<b>Formulation :</b>	Liquid in PBS, pH 7.4, containing 0.02% sodium azide as preservative and 50% Glycerol.
<b>Source :</b>	Monoclonal, Mouse IgG
<b>Dilution :</b>	Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: WB 1:1000-2000, IHC 1:50-300.
<b>Purification :</b>	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
<b>Concentration :</b>	1mg/ml
<b>Storage Stability :</b>	Stable for one year at -15°C to -25°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezi
	24kD

**Background :** The protein encoded by this gene is a cyclosporine-binding protein and is mainly located within the endoplasmic reticulum. It is associated with the secretory pathway and released in biological fluids. This protein can bind to cells derived from T- and B-lymphocytes, and may regulate cyclosporine A-mediated immunosuppression. Variants have been identified in this protein that give rise to recessive forms of osteogenesis imperfecta. [provided by RefSeq, Oct 2009],

**Function :** catalytic activity:Peptidylproline (omega=180) = peptidylproline (omega=0).,caution:It is uncertain whether Met-1 or Met-9 is the initiator.,enzyme regulation:Cyclosporin A (CsA) inhibits CYPB.,function:PPIases accelerate the folding of proteins. It catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides.,similarity:Belongs to the cyclophilin-type PPIase family. PPIase B subfamily.,similarity:Contains 1 PPIase cyclophilin-type domain.,subcellular location:Identified by mass spectrometry in melanosome fractions from stage I to stage IV.,

**Subcellular Location :** Virion . (Microbial infection).; Endoplasmic reticulum lumen . Melanosome . Identified by mass spectrometry in melanosome fractions from stage I to stage IV (PubMed:17081065). .

**Expression :** Brain,Fetal brain cortex,Prostate,Skin,

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