

Cyclophilin B Monoclonal Antibody(2B10), AbFluor 488 Conjugated

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| Catalog No : | YM2018 |
| Reactivity : | Human;Rat;Mouse |
| Applications : | IF;WB;IHC; |
| Target : | Cyclophilin B |
| Gene Name : | PPIB |
| Protein Name : | Peptidyl-prolyl cis-trans isomerase B (PPIase B) (EC 5.2.1.8) (CYP-S1) (Cyclophilin B) (Rotamase B) (S-cyclophilin) (SCYLP) |
| Human Gene Id : | 5479 |
| Human Swiss Prot No : | P23284 |
| Specificity : | Cyclophilin B Monoclonal Antibody(2B10) AbFluor™ 488 Conjugated specially designed for your Immunofluorescence analysis. |
| Formulation : | Liquid in PBS, pH 7.4, containing 0.02% sodium azide as preservative and 50% Glycerol. |
| Source : | Monoclonal, Mouse IgG |
| Dilution : | Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: IHC 1:50-300, IF 1:50-200. |
| Purification : | The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen. |
| Concentration : | 1mg/ml |
| Storage Stability : | 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 |

The protein encoded by this gene is a cyclosporine-binding protein and is mainly

Background : 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:PPLases accelerate the folding of proteins. It catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides.,similarity:Belongs to the cyclophilin-type PPLase family. PPLase B subfamily.,similarity:Contains 1 PPLase 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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