



# Cyclophilin B Monoclonal Antibody(2B10), Cy3 Conjugated

|                                    |                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog No</b>                  | YP-Ab-04540                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Isotype</b>                     | IgG                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Reactivity</b>                  | Human;Rat;Mouse                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Applications</b>                | IF;WB;IHC;                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Gene Name</b>                   | PPIB                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Immunogen</b>                   |                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Specificity</b>                 | Cyclophilin B Monoclonal Antibody(2B10) Cy3 Conjugated specially designed for your Immunofluorescence 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>Purification</b>                | The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.                                                                                                                                                                                                                                                                                           |
| <b>Dilution</b>                    | Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: IHC 1:50-300, IF: 1:50-200.                                                                                                                                                                                                                                          |
| <b>Concentration</b>               | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Purity</b>                      | ≥90%                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Storage Stability</b>           | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Synonyms</b>                    | Cyclophilin B;PPIB;Peptidyl-prolyl cis-trans isomerase B (PPIase B) (EC 5.2.1.8) (CYP-S1) (Cyclophilin B) (Rotamase B) (S-cyclophilin) (SCYLP)                                                                                                                                                                                                                                                       |
| <b>Observed Band</b>               |                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Calculated Molecular Weight</b> |                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Cell Pathway</b>                | Virion . (Microbial infection).; Endoplasmic reticulum lumen . Melanosome . Identified by mass spectrometry in melanosome fractions from stage I to stage IV (PubMed:17081065). .                                                                                                                                                                                                                    |
| <b>Tissue Specificity</b>          | Brain,Fetal brain cortex,Prostate,Skin,                                                                                                                                                                                                                                                                                                                                                              |
| <b>Function</b>                    | 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.,

**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],

**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images