



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

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Catalog No         | BYab-04542                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Isotype            | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Reactivity         | Human;Rat;Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Applications       | IF;WB;IHC;                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 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)                                                                                                                                                                                                                                                                                                                                                   |
| Immunogen          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Specificity        | Cyclophilin B Monoclonal Antibody(2B10) FITC conjugated specially designed for your WB or IHC analysis.                                                                                                                                                                                                                                                                                                                                                                       |
| Formulation        | Liquid in PBS, pH 7.4, containing 0.02% sodium azide as preservative and 50% Glycerol.                                                                                                                                                                                                                                                                                                                                                                                        |
| Source             | Monoclonal, Mouse IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Purification       | The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.                                                                                                                                                                                                                                                                                                                                                                    |
| 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.                                                                                                                                                                                                                                                                                                                   |
| Concentration      | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Purity             | ≥90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Storage Stability  | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Synonyms           | Cyclophilin B                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Observed Band      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Cell Pathway       | Virion . (Microbial infection).; Endoplasmic reticulum lumen . Melanosome . Identified by mass spectrometry in melanosome fractions from stage I to stage IV (PubMed:17081065). .                                                                                                                                                                                                                                                                                             |
| Tissue Specificity | Brain,Fetal brain cortex,Prostate,Skin,                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 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 |

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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

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