



Cyclophilin B Monoclonal Antibody(2B10), AbFluor™ 405 Conjugated

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|--------------------|---|
| Catalog No | BYab-04533 |
| 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) AbFluor™ 405 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 |
| 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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