

Anti-Cyclophilin B Antibody

Catalog # ABO11462

Product Information

Application	WB, IHC-P
Primary Accession	P23284
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Peptidyl-prolyl cis-trans isomerase B(PPIB) detection. Tested with WB, IHC-P in Human;Mouse;Rat.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	5479
Other Names	Peptidyl-prolyl cis-trans isomerase B, PPIase B, 5.2.1.8, CYP-S1, Cyclophilin B, Rotamase B, S-cyclophilin, SCYLP, PPIB, CYPB
Calculated MW	23743
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, Mouse, Rat, By Heat Western blot, 0.1-0.5 µg/ml, Human, Rat, Mouse
Subcellular Localization	Endoplasmic reticulum lumen. Melanosome. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.
Source	Eukaryota
Protein Name	Peptidyl-prolyl cis-trans isomerase B
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg Na ₃ N.
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Cyclophilin B(176-196aa MEVVRKVESTKTDSDRKPLKD), different from the related mouse sequence by one amino acid, and from the related rat sequence by two amino acids.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins

Storage	At -20 °C for one year. After reconstitution, at 4 °C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.
Sequence Similarities	Belongs to the cyclophilin-type PPIase family. PPIase B subfamily.

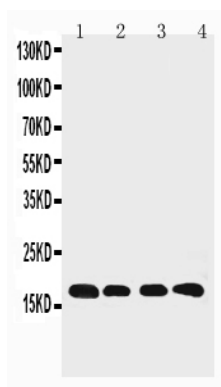
Protein Information

Name	PPIB
Synonyms	CYPB
Function	Peptidyl-prolyl cis-trans isomerase that catalyzes the cis- trans isomerization of proline imidic peptide bonds in oligopeptides and may therefore assist protein folding.
Cellular Location	Virion. Note=(Microbial infection)

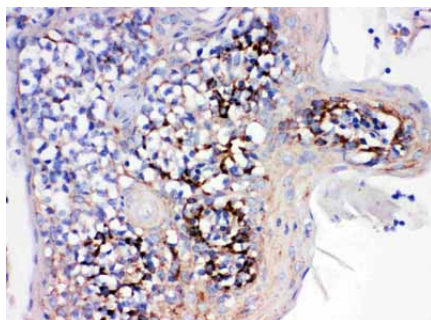
Background

Peptidyl-prolyl cis-trans isomerase B, also known as CYPB, is an enzyme that in humans is encoded by the PPIB gene. This gene is mapped to 15q22.31. 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.

Images



Anti-Cyclophilin B antibody, ABO11462, Western blotting
Lane 1: Rat Ovary Tissue Lysate
Lane 2: HELA Cell Lysate
Lane 3: 293T Cell Lysate
Lane 4: A431 Cell Lysate



Anti-Cyclophilin B antibody, ABO11462, IHC(P)
Human Tonsil Tissue

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.