



## Rabbit Anti-Cyclophilin B antibody

SL5911R

|                               |   |
|-------------------------------|---|
| <b>Product Name:</b>          | Cyclophilin B   |
| <b>Chinese Name:</b>          | 亲环蛋白(亲环素)PPIB抗体   |
| <b>Alias:</b>                 | Cphn 2; Cphn2; CyP 20b; CYP S1; CYP-S1; CYPB; MGC14109; MGC2224; peptidyl prolyl cis trans isomerase B; Peptidyl prolyl cis trans isomerase B precursor; Peptidyl-prolyl cis-trans isomerase B precursor; Peptidylprolyl isomerase B; PPIase; PPIB; Rotamase; S cyclophilin; SCYLP; PPIB_HUMAN.   |
| <b>Organism Species:</b>      | Rabbit  |
| <b>Clonality:</b>             | Polyclonal  |
| <b>React Species:</b>         | Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,   |
| <b>Applications:</b>          | WB=1:500-2000ELISA=1:500-1000<br>not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user.  |
| <b>Molecular weight:</b>      | 20kDa   |
| <b>Cellular localization:</b> | cytoplasmic   |
| <b>Form:</b>                  | Lyophilized or Liquid   |
| <b>Concentration:</b>         | 1mg/ml  |
| <b>immunogen:</b>             | KLH conjugated synthetic peptide derived from human PPIB/Cyclophilin B:21-120/216   |
| <b>Lsotype:</b>               | IgG   |
| <b>Purification:</b>          | affinity purified by Protein A  |
| <b>Storage Buffer:</b>        | 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.  |
| <b>Storage:</b>               | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.   |
| <b>PubMed:</b>                | <a href="#">PubMed</a>  |
| <b>Product Detail:</b>        | The cyclophilins are a conserved class of proteins that bind the immunosuppressive drug cyclosporin A (CsA) with high affinity. CsA blocks helper T-cell activation at a step between T-cell receptor stimulation and the transcriptional activation of cytokine genes. Cyclophilins from many species possess peptidyl-prolyl cis-trans isomerase (PPIase) activity that is blocked by CsA and therefore may be relevant in CsA-mediated |

immunosuppression.

**Function:**

PPIases accelerate the folding of proteins. It catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides.

**Subcellular Location:**

Endoplasmic reticulum lumen. Melanosome. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

**DISEASE:**

Defects in PPIB are the cause of osteogenesis imperfect type 9 (OI9) [MIM:259440]. OI9 is a connective tissue disorder characterized by bone fragility, low bone mass and bowing of limbs due to multiple fractures. Short limb dwarfism and blue sclerae are observed in some but not all patients.

**Similarity:**

Belongs to the cyclophilin-type PPIase family. PPIase B subfamily. Contains 1 PPIase cyclophilin-type domain.

**SWISS:**

P23284

**Gene ID:**

5479

**Database links:**

[Entrez Gene: 5479](#)Human

[Entrez Gene: 19035](#)Mouse

[Entrez Gene: 64367](#)Rat

[Omim: 123841](#)Human

[SwissProt: P23284](#)Human

[SwissProt: P24369](#)Mouse

[SwissProt: P24368](#)Rat

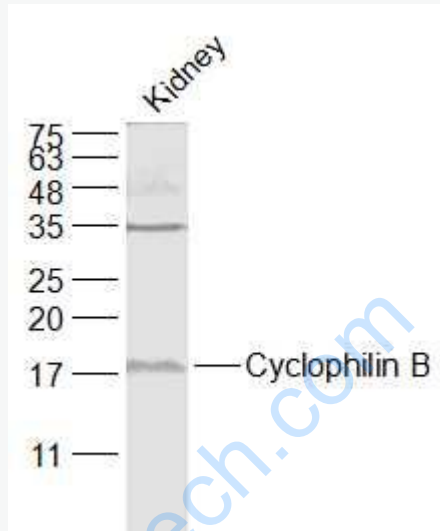
[Unigene: 434937](#)Human

[Unigene: 335249](#)Mouse

[Unigene: 1893](#)Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.



Sample:

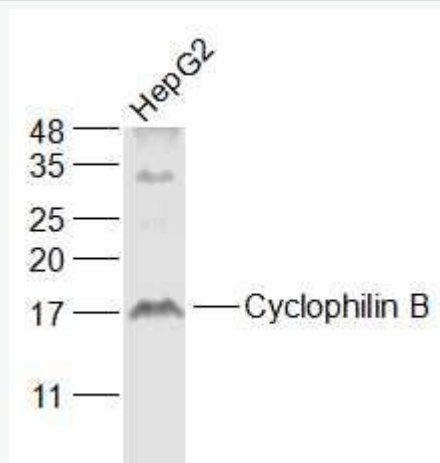
Kidney (Rat) Lysate at 40 ug

Primary: Anti-Cyclophilin B(SL5911R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 20 kD

Observed band size: 18 kD



**Picture:**

Sample:

HepG2(Human) Cell Lysate at 30 ug

Primary: Anti-Cyclophilin B(SL5911R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 20 kD

Observed band size: 18 kD

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