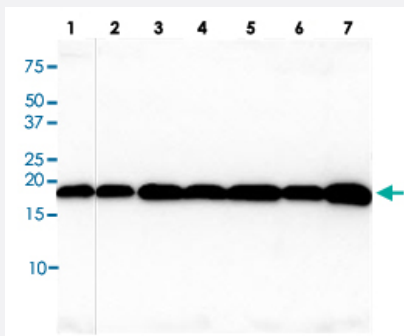


# PPIB monoclonal antibody, clone k2E2

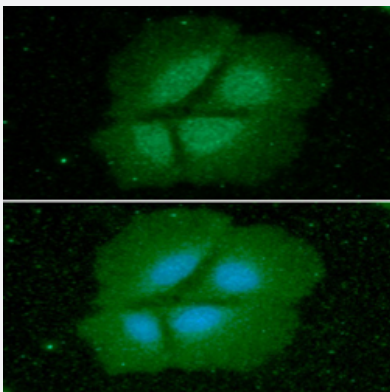
Catalog # MAB2033      Size 100 uL

## Applications



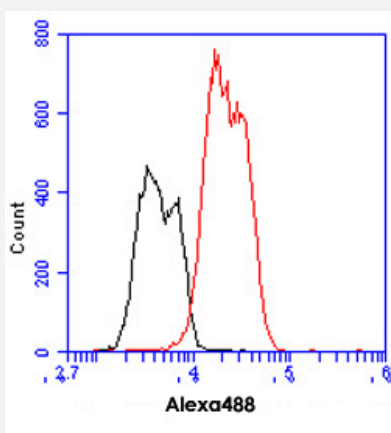
### Western Blot (Cell lysate)

Western blot analysis of Lane 1: Jurkat cell lysate, Lane 2: K562 cell lysate, Lane 3: 293T cell lysate, Lane 4: A549 cell lysate, Lane 5: MCF7 cell lysate, Lane 6: SK-OV-3 cell lysate, Lane 7: LnCap cell lysate.



### Immunofluorescence

Immunofluorescence analysis of Hep3B cells. The cell was stained with PPIB monoclonal antibody, clone k2E2 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).



### Flow Cytometry

Flow cytometric analysis of Hep3B cell line, staining at 2-5 ug for 1x10<sup>6</sup> cells (red line). The secondary antibody used goat anti-mouse IgG Alexa fluor 488 conjugate. Isotype control antibody was mouse IgG (black line).

## Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against partial recombinant PPIB.
<b>Immunogen</b>	Recombinant protein corresponding to amino acids 26-216 of human PPIB.
<b>Host</b>	Mouse
<b>Reactivity</b>	Human
<b>Form</b>	Liquid
<b>Purification</b>	Protein G purification
<b>Isotype</b>	IgG1, kappa
<b>Quality Control Testing</b>	Antibody Reactive Against Recombinant Protein.
<b>Recommend Usage</b>	ELISA Flow Cytometry Immunocytochemistry (1:100) Immunofluorescence (1:100) Western Blot The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS, pH 7.4 (10% glycerol, 0.02% sodium azide).
<b>Storage Instruction</b>	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Cell lysate)

Western blot analysis of Lane 1: Jurkat cell lysate, Lane 2: K562 cell lysate, Lane 3: 293T cell lysate, Lane 4: A549 cell lysate, Lane 5: MCF7 cell lysate, Lane 6: SK-OV-3 cell lysate, Lane 7: LnCap cell lysate.

- Immunocytochemistry

- Immunofluorescence

Immunofluorescence analysis of Hep3B cells. The cell was stained with PPIB monoclonal antibody, clone k2E2 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).

- Enzyme-linked Immunoabsorbent Assay
- Flow Cytometry

Flow cytometric analysis of Hep3B cell line, staining at 2-5 ug for 1x10<sup>6</sup> cells (red line). The secondary antibody used goat anti-mouse IgG Alexa fluor 488 conjugate. Isotype control antibody was mouse IgG (black line).

## Gene Info — PPIB

Entrez GeneID	<a href="#">5479</a>
Protein Accession#	<a href="#">P23284</a>
Gene Name	PPIB
Gene Alias	CYP-S1, CYPB, MGC14109, MGC2224, SCYLP
Gene Description	peptidylprolyl isomerase B (cyclophilin B)
Omim ID	<a href="#">123841</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	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. [provided by RefSeq]
Other Designations	PPlase S-cyclophilin cyclophilin B cyclophilin-like protein peptidyl-prolyl cis-trans isomerase B peptidylprolyl isomerase B rotamase

## Publication Reference

- [A systems wide mass spectrometric based linear motif screen to identify dominant in-vivo interacting proteins for the ubiquitin ligase MDM2.](#)

Nicholson J, Scherl A, Way L, Blackburn EA, Walkinshaw MD, Ball KL, Hupp TR.

Cellular Signalling 2014 Jun; 26(6):1243.

Application: ELISA, WB, Human, MCF-7 cells

- [Cyclophilin B is a functional regulator of hepatitis C virus RNA polymerase.](#)

Watashi K, Ishii N, Hijikata M, Inoue D, Murata T, Miyanari Y, Shimotohno K.

Molecular Cell 2005 Jul; 19(1):111.

Application: IF, IP, WB-Tr, Human, Huh7, MH-14 cells

- [CD147 is a signaling receptor for cyclophilin B.](#)

Yurchenko V, O'Connor M, Dai WW, Guo H, Toole B, Sherry B, Bukrinsky M.

Biochemical and Biophysical Research Communications 2001 Nov; 288(4):786.

- [Human cyclophilin B: a second cyclophilin gene encodes a peptidyl-prolyl isomerase with a signal sequence.](#)

Price ER, Zydowsky LD, Jin MJ, Baker CH, McKeon FD, Walsh CT.

PNAS 1991 Mar; 88(5):1903.

## Disease

- [Disease Progression](#)
- [Disease Susceptibility](#)
- [HIV Infections](#)