

bsm-52473R**[Primary Antibody]**

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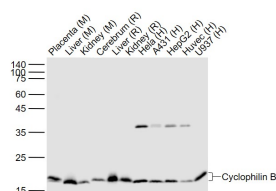
400-901-9800

Cyclophilin B Recombinant Rabbit mAb, Loading Control

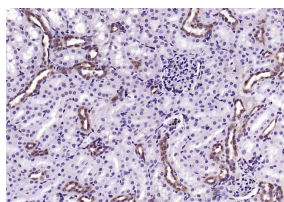
DATASHEET

| | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host: Rabbit | Isotype: IgG | Applications: WB (1:1000-5000) IHC-P (1:400-800) IHC-F (1:400-800) IF (1:100-500) Reactivity: Human, Mouse, Rat Predicted MW.: 20 kDa Subcellular Location: Cytoplasm |
| Clonality: Recombinant | CloneNo.: 4A10 | |
| GeneID: 5479 | SWISS: P23284 | |
| Target: Cyclophilin B | | |
| Immunogen: Recombinant human Cyclophilin B: C terminus. | | |
| Purification: affinity purified by Protein A | | |
| Concentration: 1mg/ml | | |
| Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. 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. | | |
| Background: 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. | | |

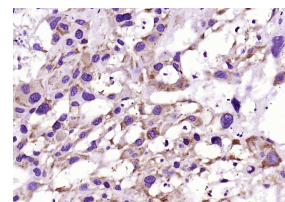
VALIDATION IMAGES



Sample: Lane 1: Placenta (Rat) Lysate at 40 ug
 Lane 2: Liver (Mouse) Lysate at 40 ug Lane 3: Kidney (Mouse) Lysate at 40 ug Lane 4: Cerebrum (Rat) Lysate at 40 ug Lane 5: Liver (Rat) Lysate at 40 ug Lane 6: Kidney (Rat) Lysate at 40 ug Lane 7: HeLa (Human) Cell Lysate at 30 ug Lane 8: A431 (Human) Cell Lysate at 30 ug Lane 9: HepG2 (Human) Cell Lysate at 30 ug Lane 10: Huvec (Human) Cell Lysate at 30 ug Lane 11: U937 (Human) Cell Lysate at 30 ug
 Primary: Anti-Cyclophilin B (bsm-52473R) at 1/1000 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
 Predicted band size: 20 kD
 Observed band size: 18 kD



Paraformaldehyde-fixed, paraffin embedded (rat kidney); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Cyclophilin B(Loading Control)) Monoclonal Antibody, Unconjugated (bsm-52473R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat placenta); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Cyclophilin B(Loading Control)) Monoclonal Antibody, Unconjugated (bsm-52473R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

SELECTED CITATIONS

- **[IF=4.2]** Xiaohan Gao. et al. Dietary Supplement With Tribulus terrestris L. Extract Exhibits Protective Effects on Neuroinflammation. MOL NUTR FOOD RES. 2025 Jun;;e70006 WB ;Mouse. 40583320