

Cyclophilin B Recombinant Rabbit mAb, Loading Control

Catalog Number: bsm-52473R

Target Protein: Cyclophilin B

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Recombinant

Clone No.: 4A10

Isotype: IgG

Applications: WB (1:500-1000), IHC-P (1:400-800), IHC-F (1:400-800), IF (1:100-500)

Reactivity: Human, Mouse, Rat

Predicted MW: 20 kDa

Entrez Gene: 5479

Swiss Prot: P23284

Source: Recombinant human Cyclophilin B: C terminus.

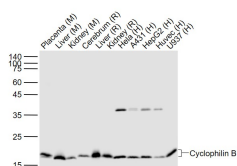
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

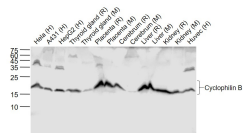
Store at -20°C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks 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.

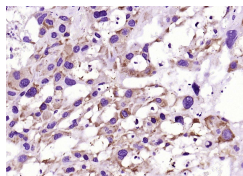
VALIDATION IMAGES



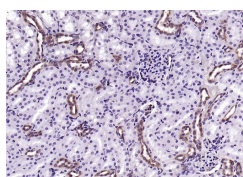
Sample: Lane 1: Placenta (Rat) Lysate at 40 ug Lane 2: Liver (Mouse) Lysate at 40 ug Lane 3: Kidney (Mouse) Lysate at 40 ug Lane 4: Cerebrum (Rat) Lysate at 40 ug Lane 5: Liver (Rat) Lysate at 40 ug Lane 6: Kidney (Rat) Lysate at 40 ug Lane 7: Hela (Human) Cell Lysate at 30 ug Lane 8: A431 (Human) Cell 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



Sample: Lane 1: HeLa (Human) Cell Lysate at 30 ug Lane 2: A431 (Human) Cell Lysate at 30 ug Lane 3: HepG2 (Human) Cell Lysate at 30 ug Lane 4: Thyroid gland (Rat) Lysate at 40 ug Lane 5: Thyroid gland (Mouse) Lysate at 40 ug Lane 6: Placenta (Rat) Lysate at 40 ug Lane 7: Placenta (Mouse) Lysate at 40 ug Lane 8: Cerebrum (Rat) Lysate at 40 ug Lane 9: Cerebrum (Mouse) Lysate at 40 ug Lane 10: Liver (Rat) Lysate at 40 ug Lane 11: Liver (Mouse) Lysate at 40 ug Lane 12: Kidney (Rat) Lysate at 40 ug Lane 13: Kidney (Mouse) Lysate at 40 ug Lane 14: Huvec (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: 19 kD Observed band size: 19 kD



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.



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.