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## RBP4 Mouse mAb

Catalog Number: bsm-43011M

Target Protein: RBP4

Concentration: 1mg/ml

Form: Size : 50ul/100ul/200ul

Liquid

Size : 200ug (PBS only)

Lyophilized

Note: Centrifuge tubes before opening. Reconstitute the lyophilized product in distilled water. Optimal concentration should be determined by the end user.

Host: Mouse

Clonality: Monoclonal

Clone No.: 3D4

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:400-800), IF (1:100-500)

Reactivity: Human

Predicted MW: 21 kDa

Subcellular Secreted

Locations:

Entrez Gene: 5950

Swiss Prot: P02753

Source: Recombinant human RBP4 protein: 19-201/201.

Purification: affinity purified by Protein A

Storage: Size : 50ul/100ul/200ul

0.01M PBS (pH7.4).

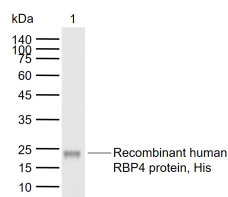
Size : 200ug (PBS only)

0.01M PBS

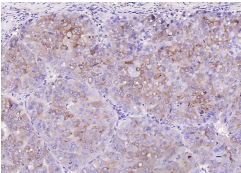
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**Background:** Retinol binding protein 4, also known as RBP4, is a transporter protein for retinol (vitamin A alcohol). RBP4 has a molecular weight of approximately 21 kDa and is encoded by the RBP4 gene in humans. It is mainly, though not exclusively, synthesized in the liver and circulates in the bloodstream bound to retinol in a complex with transthyretin. RBP4 has been a drug target for ophthalmology research due to its role in vision. RBP4 may also be involved in metabolic diseases as suggested by recent studies.

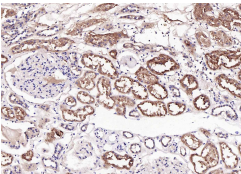
# VALIDATION IMAGES



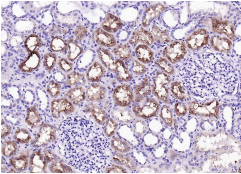
Sample: Lane 1: Recombinant human RBP4 protein, His (HEK293) Primary: Anti-RBP4 (bsm-43011M) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 21 kDa Observed band size: 21 kDa



Paraformaldehyde-fixed, paraffin embedded (human liver carcinoma); 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 (RBP4) Monoclonal Antibody, Unconjugated (bsm-43011M) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Human 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 (RBP4) Monoclonal Antibody, Unconjugated (bsm-43011M) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Human renal carcinoma); 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 (RBP4) Monoclonal Antibody, Unconjugated (bsm-43011M) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructions and DAB staining.