



## Mouse Anti-RBP4 antibody

SLM-43011M

**Product Name** RBP4**Chinese Name** 视黄醇 Binding protein4 单克隆抗体**Alias** plasma retinol binding protein 4; Plasma retinol-binding proteinv; Plasma retinol-binding protein(1-176); prbp; PRO2222; RBP; RET4\_HUMAN; Retinol binding protein 4; retinol binding protein 4 interstitial; Retinol binding protein 4 plasma.**Research Area** Cardiovascular immunology Diabetes**Immunogen Species** Mouse**Clonality** Monoclonal**React Species** Human,**Applications** WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:400-800,IF=1:100-500 (Paraffin sections need antigen repair)  
not yet tested in other applications.  
optimal dilutions/concentrations should be determined by the end user.**Theoretical molecular weight** 21kDa**Cellular localization** Secretory protein**Form** Liquid**Concentration** 1mg/ml**immunogen** Recombinant human RBP4 protein: 19-201/201**Lsotype** IgG**Purification** affinity purified by Protein A**Buffer Solution** 1M PBS(pH7.4)**Storage** Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.**Attention** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.**PubMed** [PubMed](#)

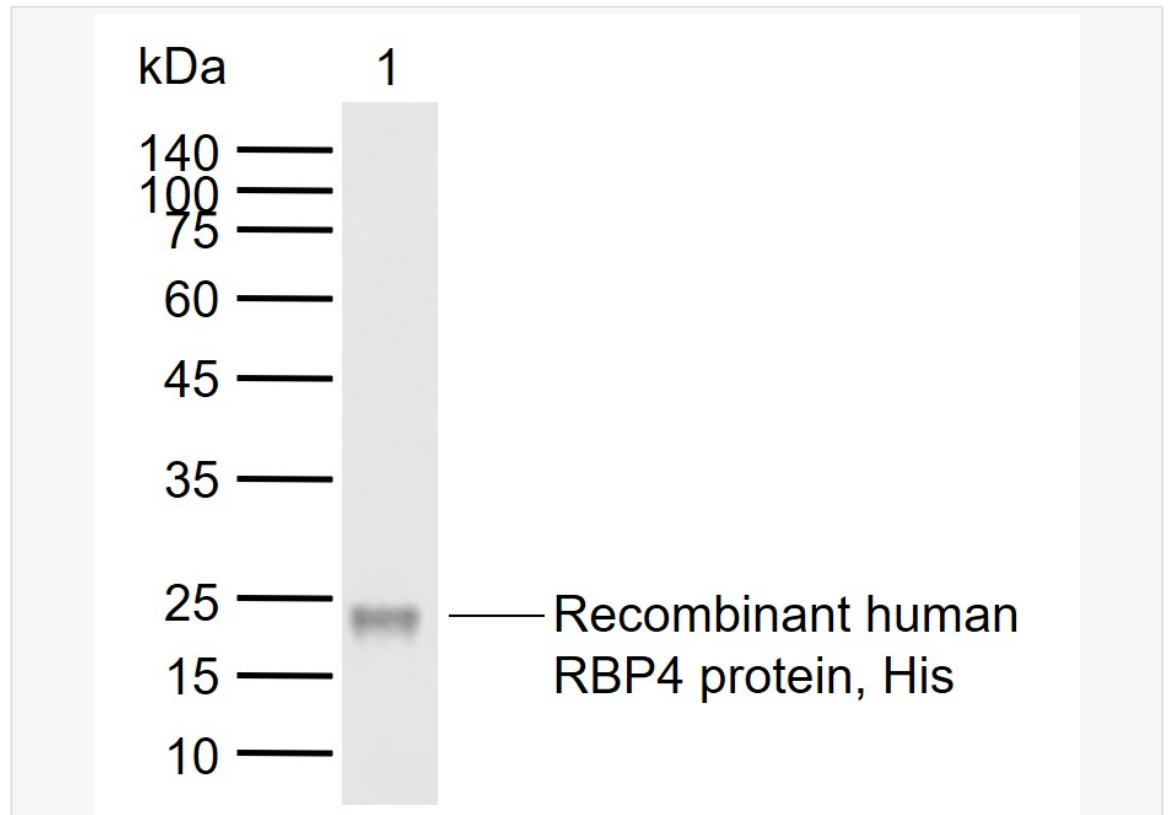
**Product  
Detail**

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.

**SWISS:**  
P02753

**Gene ID:**  
5950

**Product  
Picture**



Sample:

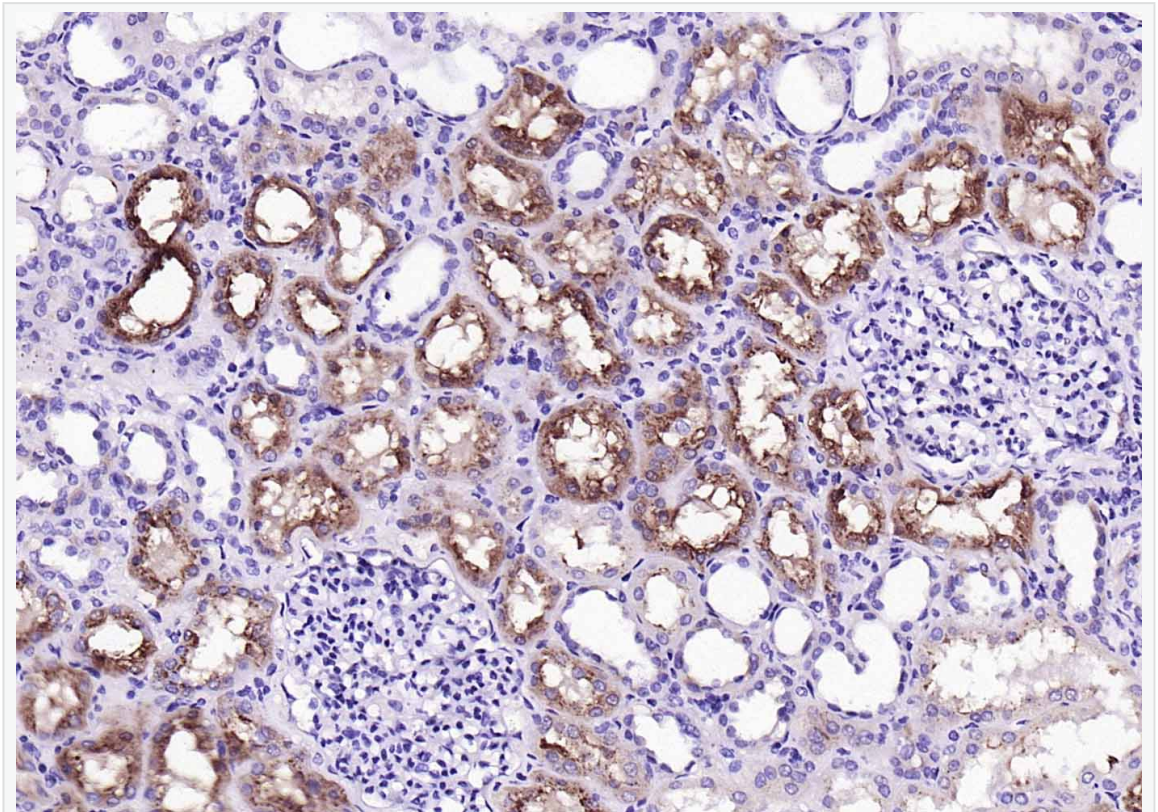
Lane 1: Recombinant human RBP4 protein, His (HEK293)

Primary: Anti-RBP4 (SLM-43011M) at 1/1000 dilution

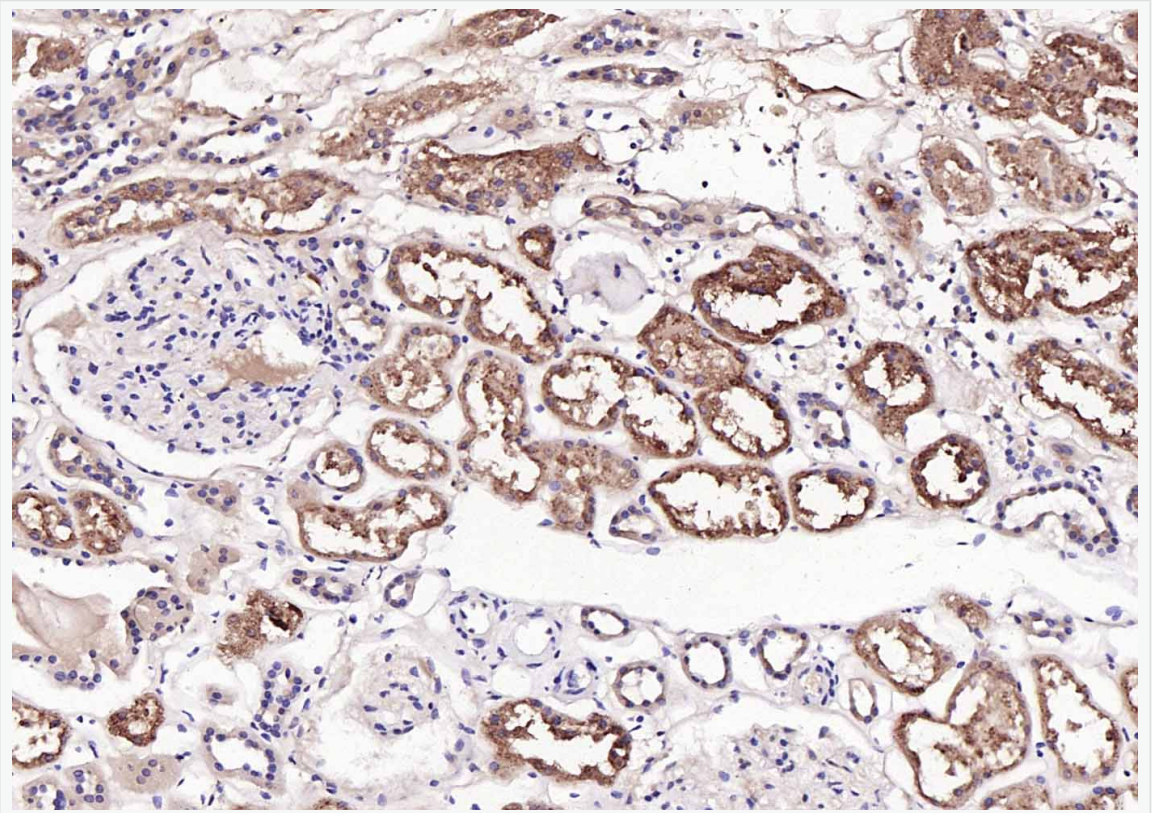
Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution

Predicted band size: 21 kDa

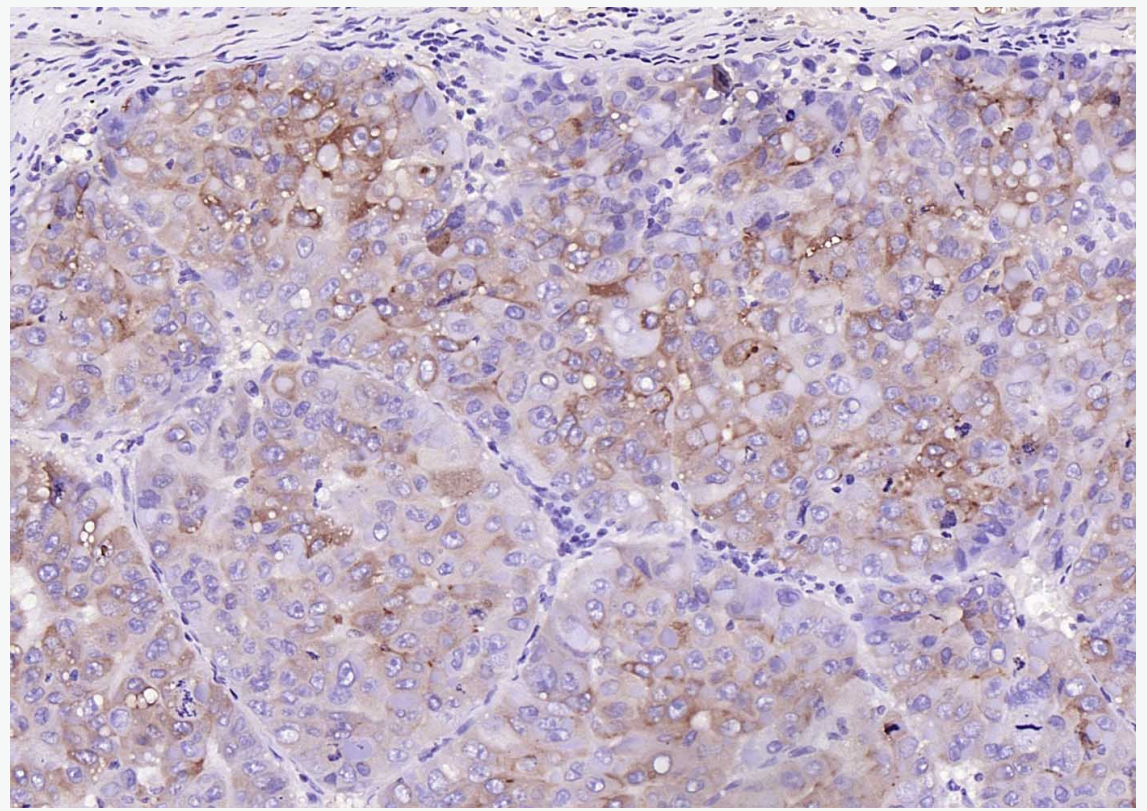
Observed band size: 21 kDa



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