

**RBP4 Antibody**  
**Rabbit Polyclonal Antibody**  
**Catalog # ABV10548****Specification**

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**RBP4 Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P02753</a>
Other Accession	<a href="#">NP_006735</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Goat IgG
Calculated MW	23010

**RBP4 Antibody - Additional Information****Gene ID** 5950**Application & Usage**

**Western blotting (1:500-1:1000).** However, the optimal concentrations should be determined individually. Recombinant human RBP4 can be used as a positive control. The antibody recognizes ~25 kDa human RBP4. Reactivity to other species has not been tested.

**Other Names**

Retinol binding protein 4

**Target/Specificity**

RBP4

**Antibody Form**

Liquid

**Appearance**

Colorless liquid

**Formulation**

100 µl affinity purified goat polyclonal antibody in phosphate-buffered saline (PBS) containing 30% glycerol, 0.5% BSA, and 0.01% thimerosal.

**Handling**

The antibody solution should be gently mixed before use.

**Reconstitution & Storage**

-20 °C

**Background Descriptions**

**Precautions**

RBP4 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**RBP4 Antibody - Protein Information****Name** RBP4**Function**

Retinol-binding protein that mediates retinol transport in blood plasma (PubMed:<a href="http://www.uniprot.org/citations/5541771" target="\_blank">5541771</a>). Delivers retinol from the liver stores to the peripheral tissues (Probable). Transfers the bound all-trans retinol to STRA6, that then facilitates retinol transport across the cell membrane (PubMed:<a href="http://www.uniprot.org/citations/22665496" target="\_blank">22665496</a>).

**Cellular Location**

Secreted

**Tissue Location**

Detected in blood plasma and in urine (at protein level).

**RBP4 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**RBP4 Antibody - Images****RBP4 Antibody - Background**

RBP4 (Retinol Binding Protein 4). Retinol is transported in blood bound to the carrier protein RBP. Under physiological conditions, RBP binds transthyretin (TTR) to prevent glomerular filtration of low molecular weight RBP in the kidneys. The RBP/TTR molar ratio provides an indirect way to indicate marginal vitamin A deficiency.