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RBP4 Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10548

Specification

RBP4 Antibody - Product Information

Application	**WB**
Primary Accession	P02753
Other Accession	NP_006735
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:5541771). 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:22665496).

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 Cytomety
- 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 ration provides an indirect way to indicate marginal vitamin A deficiency.