

For Research Use Only

# RBP4 Polyclonal antibody

Catalog Number: 29550-1-AP



## Basic Information

### Catalog Number:

29550-1-AP

### Size:

150ul, Concentration: 400 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### GenBank Accession Number:

BC020633

### GeneID (NCBI):

5950

### UNIPROT ID:

P02753

### Full Name:

retinol binding protein 4, plasma

### Calculated MW:

201 aa, 23 kDa

### Observed MW:

23 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:4000

## Applications

### Tested Applications:

WB, ELISA

### Species Specificity:

human

### Positive Controls:

WB : HepG2 cells, human plasma

## Background Information

RBP4 (Retinol-binding protein 4), also known as PRO2222. It is expected to be located in the cytoplasm, which is expressed in renal tubules, pancreatic islets and hepatocytes with positivity in plasma. This protein belongs to the lipocalin family and is the specific carrier for retinol (vitamin A alcohol) in the blood. It delivers retinol from the liver stores to the peripheral tissues. In plasma, the RBP-retinol complex interacts with transthyretin which prevents its loss by filtration through the kidney glomeruli. A deficiency of vitamin A blocks secretion of the binding protein post-translationally and results in defective delivery and supply to the epidermal cells. The molecular weight of RBP4 is 23 kDa.

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

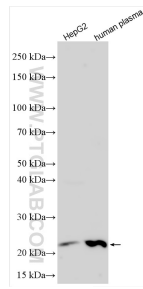
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 29550-1-AP (RBP4 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.