

For Research Use Only

# RBP4 Polyclonal antibody

Catalog Number: 29550-1-AP



## Basic Information

Catalog Number:

29550-1-AP

Size:

400 ug/ml

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

For technical support and original validation data for this product please contact:

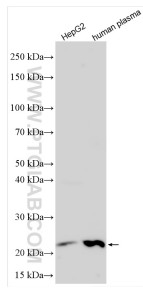
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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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.