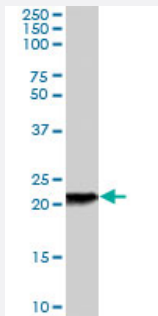


# RBP4 polyclonal antibody

Catalog # PAB7177      Size 100 ug

## Applications



### Western Blot (Tissue lysate)

RBP4 polyclonal antibody (Cat # PAB7177) (0.3 ug/mL) staining of human skin lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

## Specification

**Product Description** Goat polyclonal antibody raised against synthetic peptide of RBP4.

**Immunogen** A synthetic peptide corresponding to human RBP4.

**Sequence** C-QKGNDHWDVTDYD

**Host** Goat

**Theoretical MW (kDa)** 23

**Reactivity** Human

**Form** Liquid

**Purification** Antigen affinity purification

**Concentration** 0.5 mg/mL

**Quality Control Testing** Antibody Reactive Against Synthetic Peptide.

**Recommend Usage**  
 ELISA (1:64000)  
 Western Blot (0.3-1 ug/mL)  
 The optimal working dilution should be determined by the end user.

|                            |                                                                                                                        |
|----------------------------|------------------------------------------------------------------------------------------------------------------------|
| <b>Storage Buffer</b>      | In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)                                                                  |
| <b>Storage Instruction</b> | Store at -20°C.<br>Aliquot to avoid repeated freezing and thawing.                                                     |
| <b>Note</b>                | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |

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- Enzyme-linked Immunoabsorbent Assay

## Gene Info — RBP4

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Entrez GeneID</b>      | <a href="#">5950</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Protein Accession#</b> | <a href="#">NP_006735.2</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Gene Name</b>          | RBP4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Gene Alias</b>         | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Gene Description</b>   | retinol binding protein 4, plasma                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Omim ID</b>            | <a href="#">180250</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Gene Ontology</b>      | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Gene Summary</b>       | 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 posttranslationally and results in defective delivery and supply to the epidermal cells. [provided by RefSeq] |
| <b>Other Designations</b> | OTTHUMP00000020114 OTTHUMP00000020116 retinol-binding protein 4, interstitial retinol-binding protein 4, plasma                                                                                                                                                                                                                                                                                                                                                                                                 |

## Publication Reference

- [Susceptibility and modifier genes in Portuguese transthyretin V30M amyloid polyneuropathy: complexity in a single-gene disease.](#)

Soares ML, Coelho T, Sousa A, Batalov S, Conceicao I, Sales-Luis ML, Ritchie MD, Williams SM, Nievergelt CM, Schork NJ, Saraiva MJ, Buxbaum JN.

Human Molecular Genetics 2005 Feb; 14(4):543.

## Disease

- [Alzheimer disease](#)
- [Cardiovascular Diseases](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)
- [Glucose Intolerance](#)
- [Hyperlipidemias](#)
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- [Hypertriglyceridemia](#)
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- [Obesity](#)
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- [Prediabetic State](#)