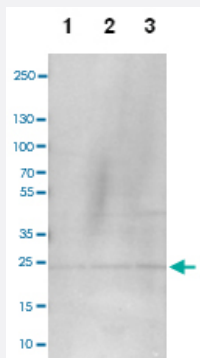


# RBP4 polyclonal antibody

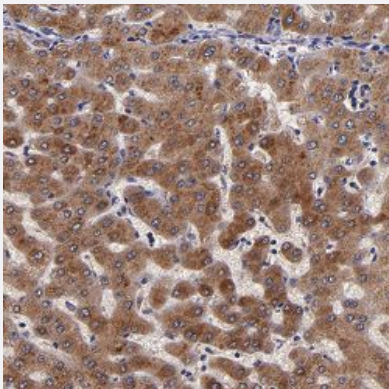
Catalog # PAB28469      Size 100 uL

## Applications



### Western Blot (Cell lysate)

Western blot analysis of Lane 1: NIH-3T3 cell lysate (Mouse embryonic fibroblast cells), Lane 2: NBT-II cell lysate (Rat Wistar bladder tumour cells), Lane 3: PC12 cell lysate (Pheochromocytoma of rat adrenal medulla) with RBP4 polyclonal antibody.



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human liver with RBP4 polyclonal antibody (Cat # PAB28469) shows distinct cytoplasmic positivity in hepatocytes.

## Specification

|                     |                                                                                                                           |
|---------------------|---------------------------------------------------------------------------------------------------------------------------|
| Product Description | Rabbit polyclonal antibody raised against recombinant RBP4.                                                               |
| Immunogen           | Recombinant protein corresponding to amino acids of human RBP4                                                            |
| Sequence            | VKENFDKARFSGTWYAMAKKDPEGLFLQDNVAEFVSVDETGQMSATAKGRVRLNNWVDCADM<br>VGTFDTEDPAKFKMKYWGVASFLLQKGNDHWWVDTDYDTYAVQYSCRLNLDGTCA |
| Host                | Rabbit                                                                                                                    |
| Reactivity          | Human, Mouse, Rat                                                                                                         |

|                     |                                                                                                                                    |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Form                | Liquid                                                                                                                             |
| Purification        | Antigen affinity purification                                                                                                      |
| Isotype             | IgG                                                                                                                                |
| Recommend Usage     | Immunohistochemistry(1:20-1:50)<br>Western Blot(1:100-1:250)<br>The optimal working dilution should be determined by the end user. |
| Storage Buffer      | In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide)                                                                                  |
| Storage Instruction | Store at 4°C. For long term storage store at -20°C.<br>Aliquot to avoid repeated freezing and thawing.                             |
| Note                | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.             |

## Applications

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## Gene Info — RBP4

|                    |                                   |
|--------------------|-----------------------------------|
| Entrez GeneID      | <a href="#">5950</a>              |
| Protein Accession# | <a href="#">P02753</a>            |
| Gene Name          | RBP4                              |
| Gene Alias         | -                                 |
| Gene Description   | retinol binding protein 4, plasma |
| Omim ID            | <a href="#">180250</a>            |
| Gene Ontology      | <a href="#">Hyperlink</a>         |

**Gene Summary**

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]

**Other Designations**

OTTHUMP00000020114|OTTHUMP00000020116|retinol-binding protein 4, interstitial|retinol-binding protein 4, plasma

**Disease**

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