

## Product datasheet for **AM06609SU-N**

### **RBP4 Mouse Monoclonal Antibody [Clone ID: 4C2]**

#### **Product data:**

|                         |                                                                                                                                                                                                                            |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type:           | Primary Antibodies                                                                                                                                                                                                         |
| Clone Name:             | 4C2                                                                                                                                                                                                                        |
| Applications:           | ELISA, FC, IF, IHC, WB                                                                                                                                                                                                     |
| Recommended Dilution:   | <b>ELISA:</b> 1/10000.<br><b>Western Blot:</b> 1/500 - 1/2000.<br><b>Immunofluorescence:</b> 1/200 - 1/1000.<br><b>Flow Cytometry:</b> 1/200 - 1/400.<br><b>Immunohistochemistry on Paraffin Sections:</b> 1/200 - 1/1000. |
| Reactivity:             | Human                                                                                                                                                                                                                      |
| Host:                   | Mouse                                                                                                                                                                                                                      |
| Isotype:                | IgG1                                                                                                                                                                                                                       |
| Clonality:              | Monoclonal                                                                                                                                                                                                                 |
| Immunogen:              | Purified recombinant fragment of Human RBP expressed in E. Coli.                                                                                                                                                           |
| Specificity:            | Recognizes RBP4                                                                                                                                                                                                            |
| Formulation:            | State: Ascites<br>State: Ascitic fluid containing 0.03% Sodium Azide.                                                                                                                                                      |
| Conjugation:            | Unconjugated                                                                                                                                                                                                               |
| Storage:                | Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.<br>Avoid repeated freezing and thawing.                                                                                          |
| Stability:              | Shelf life: one year from despatch.                                                                                                                                                                                        |
| Predicted Protein Size: | 23 kDa                                                                                                                                                                                                                     |
| Gene Name:              | retinol binding protein 4                                                                                                                                                                                                  |
| Database Link:          | <a href="#">Entrez Gene 5950 Human P02753</a>                                                                                                                                                                              |



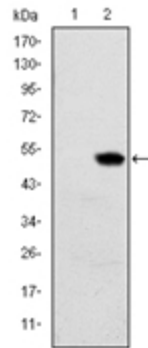
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**Background:**

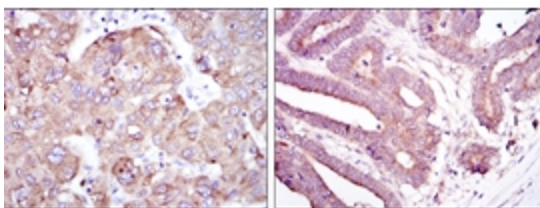
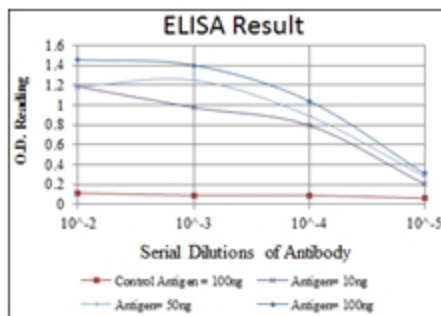
This protein belongs to the lipocalin family and is the specific carrier for retinol (vitamin A alcohol) in the blood. It delivers retinol from the liver stores to the peripheral tissues. In plasma, the RBP-retinol complex interacts with transthyretin which prevents its loss by filtration through the 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)

**Synonyms:**

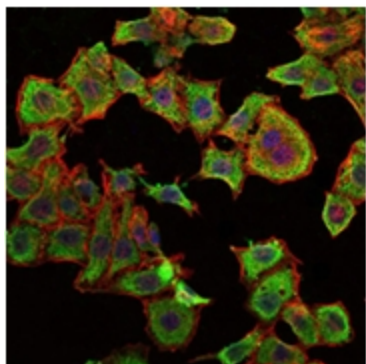
RBP-4, Retinol-binding protein 4, Plasma retinol-binding protein, PRBP, RBP

**Product images:**


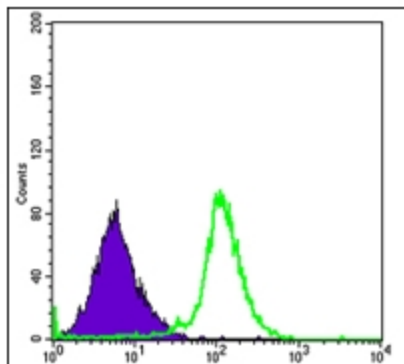
Western blot analysis using RBP4 antibody Cat.-No AM06609SU-N against HEK293 (1) and RBP4 (AA: 1-201)-hIgGFc transfected HEK293 (2) cell lysate.



Immunohistochemical analysis of paraffin-embedded liver cancer tissues (left) and stomach cancer tissues (right) using RBP4 antibody Cat.-No AM06609SU-N with DAB staining.



Immunofluorescence analysis of HepG2 cells using RBP4 antibody Cat.-No AM06609SU-N (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Flow Cytometric analysis of HepG2 cells using RBP4 antibody Cat.-No AM06609SU-N (green) and negative control (purple).