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Datasheet for ABIN6940485

## Recombinant anti-RBP4 antibody

### 2 Images

#### Overview

Quantity:	100 µg
Target:	RBP4
Reactivity:	Human, Mouse, Rat, Rabbit, Monkey, Goat, Chimpanzee
Host:	Mouse
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This RBP4 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Staining Methods (StM)

#### Product Details

Immunogen:	Recombinant full-length human RBP protein
Clone:	RRBP1-872
Isotype:	IgG1 kappa
Specificity:	This MAb recognizes an epitope within the 74-182 C-terminal sequence (11kD peptide fragment) of human serum Cellular Retinol Binding Protein 1 (CRBP 1), a single-chain glycoprotein belonging to the superfamily of hydrophobic molecule transporter proteins, which is responsible for transport of retinol (vitamin A1) from the liver to peripheral target tissues, like the eye, where it mediates the cellular uptake. CRBP 1 is synthesized by hepatic parenchymal cells where it becomes bound to its ligand retinol and is then released into the circulation, where it binds further to the protein transthyretin, to form a transporting complex, which is big enough not to be lost by filtration through the kidney glomeruli. It is detected in nearly all

## Product Details

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tissues with higher expression in adult ovary, pancreas, pituitary gland, adrenal gland, and fetal liver.

Purification: Purified by Protein A/G

## Target Details

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Target: RBP4

Alternative Name: RBP ([RBP4 Products](#))

Molecular Weight: 21-25kDa

Gene ID: 5947, 5948, 5950

UniProt: [P02753](#), [P09455](#), [P50120](#)

Pathways: [Regulatory RNA Pathways](#), [Positive Regulation of Peptide Hormone Secretion](#), [Carbohydrate Homeostasis](#), [Production of Molecular Mediator of Immune Response](#)

## Application Details

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Application Notes: Positive Control: Human Hepatic or Ovarian Carcinoma tissues (IHC).  
Known Application: Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT),(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes),Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

## Handling

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Concentration: 200 µg/mL

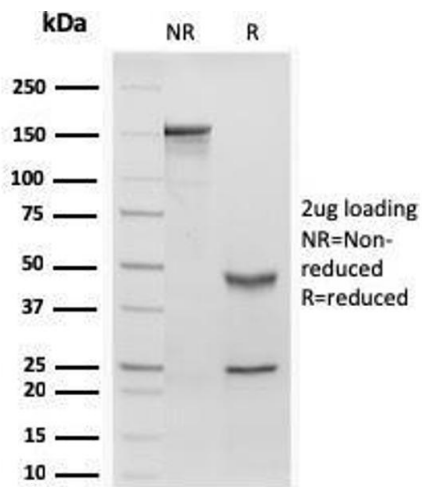
Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

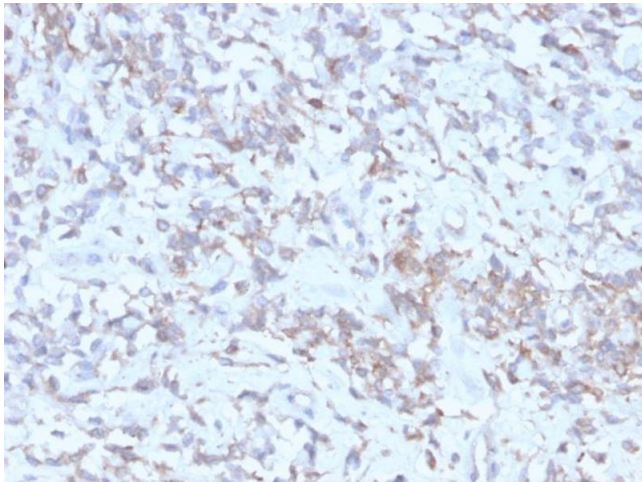
Storage: 4 °C,-80 °C

Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.



#### SDS-PAGE

**Image 1.** SDS-PAGE Analysis Purified RBP1 Recombinant Mouse Monoclonal Antibody (rRBP1/872). Confirmation of Purity and Integrity of Antibody.



#### Immunohistochemistry

**Image 2.** Formalin-fixed, paraffin-embedded human Hepatocellular Carcinoma stained with RBP1 Recombinant Mouse Monoclonal Antibody (rRBP1/872).