

## 36-3086: Anti-Retinol Binding Protein-1 (RBP1) Monoclonal Antibody(Clone: rRBP1/872)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	rRBP1/872
<b>Application :</b>	IHC
<b>Reactivity :</b>	Human, Rat, Mouse
<b>Gene :</b>	RBP
<b>Gene ID :</b>	5947; 5948; 5950
<b>Uniprot ID :</b>	P02753; P09455; P50120
<b>Alternative Name :</b>	Cellular retinol-binding protein I, CRBP1, CRBP2, RBP1, RBP2, RBP4, RBPC, Retinol binding protein 1, Retinol binding protein 1 cellular, Retinol binding protein 2 cellular, Retinol binding protein 4 plasma
<b>Isotype :</b>	Mouse IgG1, kappa
<b>Immunogen Information :</b>	Recombinant full-length human RBP protein

### Description

This MA b 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 enoÅµgh not to be lost by filtration throÅµgh the kidney glomeruli. It is detected in nearly all tissues with higher expression in adult ovary, pancreas, pituitary gland, adrenal gland, and fetal liver.

### Product Info

<b>Amount :</b>	20 µg / 100 µg
<b>Content :</b>	200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
<b>Storage condition :</b>	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.

### Application Note

Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT),(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes);

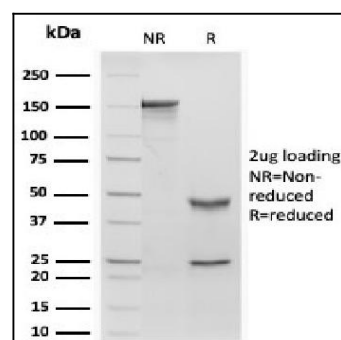


Fig. 1: SDS-PAGE Analysis Purified RBP1 Recombinant Mouse Monoclonal Antibody (rRBP1/872). Confirmation of Purity and Integrity of Antibody.

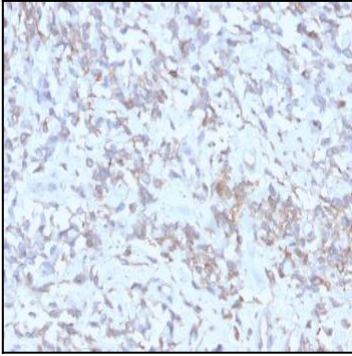


Fig. 2: Formalin-fixed, paraffin-embedded human Hepatocellular Carcinoma stained with RBP1 Recombinant Mouse Monoclonal Antibody (rRBP1/872).