

### 36-1630: Monoclonal Antibody to Retinol Binding Protein-1 (RBP1)(Clone : G4E4)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	G4E4
<b>Application :</b>	IHC
<b>Reactivity :</b>	Human, Rat, Mouse
<b>Gene :</b>	RBP4
<b>Gene ID :</b>	5950
<b>Uniprot ID :</b>	P02753
<b>Format :</b>	Purified
<b>Alternative Name :</b>	RBP4,PRO2222
<b>Isotype :</b>	Mouse IgG1, kappa
<b>Immunogen Information :</b>	Retinol binding protein-1 purified from human plasma

#### Description

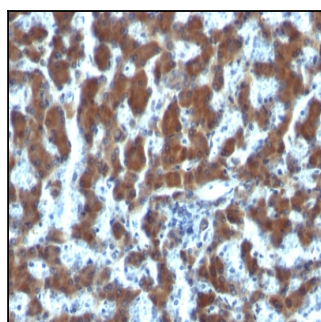
This MAb recognizes an epitope within the 74-182 C-terminal sequence (11kD peptide fragment) of human serum Cellular Retinol Binding Protein 1 (CRBP 1), a single-chain glycoprotein belonging to the superfamily of hydrophobic molecule transporter proteins, which is responsible for transport of retinol (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 tissues with higher expression in adult ovary, pancreas, pituitary gland, adrenal gland, and fetal liver.

#### Product Info

<b>Amount :</b>	100 µg
<b>Purification :</b>	Affinity Chromatography
<b>Content :</b>	100 µg in 500 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
<b>Storage condition :</b>	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

#### Application Note

Immunohistochemistry (Formalin-fixed) (0.1-0.2ug/ml for 30 min 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°C followed by cooling at RT for 20 minutes);



Formalin-fixed, paraffin-embedded human Hepatocellular Carcinoma stained with RBP1 (G4E4)