

## Product Datasheet

# RBP Antibody / Retinol Binding Protein 1 (orb639896)

<b>Description</b>	Retinol Binding Protein 1 or 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. RBP1 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.
<b>Species/Host</b>	Mouse
<b>Reactivity</b>	Human
<b>Conjugation</b>	Unconjugated
<b>Tested Applications</b>	IHC-P
<b>Immunogen</b>	A recombinant full-length human protein was used as the immunogen for this recombinant RBP-1 antibody. This mAb recognizes an epitope within the 74-182 C-terminal sequence (11kD peptide fragment).
<b>Preservatives</b>	0.2 mg/ml with 0.1 mg/ml rAlbumin (US sourced), 0.05% sodium azide
<b>Storage</b>	Store the recombinant RBP-1 antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).
<b>Note</b>	For research use only
<b>Application notes</b>	Optimal dilution of the antibody should be determined by the researcher.
<b>Formula</b>	0.2 mg/ml with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide
<b>Isotype</b>	Mouse IgG1, kappa

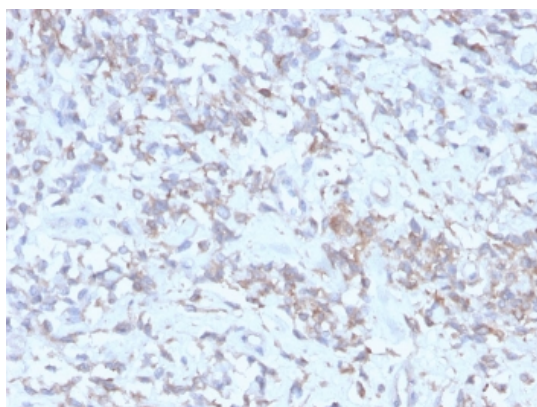
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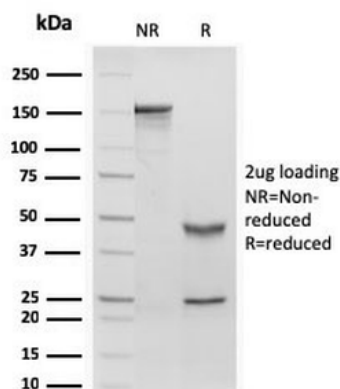
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<b>Clonality</b>	Recombinant
<b>Clone Number</b>	rRBP1/872
<b>Purity</b>	Protein G affinity chromatography
<b>Uniprot ID</b>	<b>P09455</b>
<b>Hazard Information</b>	This recombinant RBP-1 antibody is available for research use only.
<b>Dilution Range</b>	Immunohistochemistry (FFPE): 1-2ug/ml
<b>Expiration Date</b>	12 months from date of receipt.



IHC: Formalin-fixed, paraffin-embedded human hepatocellular carcinoma stained with recombinant RBP-1 (clone rRBP/872).  
HIER: boil tissue sections in pH9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free recombinant RBP-1 antibody (clone rRBP1/872) as confirmation of integrity and purity.

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