

Mouse Retinol Binding Protein-1 (RBP1) Antibody | anti-RBP1 antibody

Retinol Binding Protein-1 (RBP1)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA215177	Mouse	Human, Chimpanzee, Monkey, Goat, Rabbit, Rat, Mouse	Immunohistochemistry

PRODUCT SYNONYMS

Retinol Binding Protein-1 (RBP1); 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; anti-RBP1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Chimpanzee, Monkey, Goat, Rabbit, Rat, Mouse
Isotype	IgG1, kappa
Clone Number	rRBP1/872
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 tissues with higher expression in adult ovary, pancreas, pituitary gland, adrenal gland, and fetal liver.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
Form/Format	200ug/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.
Sequence Length	201
Applicable Applications for anti-RBP1 antibody	IHC (Immunohistochemistry)
Positive Control	Human Hepatic or Ovarian Carcinoma tissues (IHC).
Immunogen	Recombinant full-length human RBP protein
Cellular Localization	Cytoplasmic
Hu-chromosome Location	10q23.33
Antibody Type	Recombinant Mouse Monoclonal Antibody
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C. Antibody without azide: store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



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



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

ADDITIONAL INFORMATION

References	1. Reddy B. et al.: Biochem. Int. 21, 367-376 (1990). 2. Reddy B. et al.: Molec. Immunol. 29, 511-516 (1992). 3. Reddy BM et al. Molecular Immunology, 1993, 30(15):1355-60.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	55743122
NCBI GeneID	5950
NCBI Accession #	NP_006735.2
NCBI GenBank Nucleotide #	NP_006735.2
UniProt Accession #	P02753; P09455; P50120
Molecular Weight	21-25kDa
NCBI Official Full Name	retinol-binding protein 4 isoform a
NCBI Official Synonym Full Names	retinol binding protein 4
NCBI Official Symbol	RBP4
NCBI Official Synonym Symbols	RDCCAS; MCOPCB10
NCBI Protein Information	retinol-binding protein 4
UniProt Protein Name	Retinol-binding protein 4
UniProt Gene Name	RBP4
UniProt Synonym Gene Names	PRBP; RBP
UniProt Entry Name	RET4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.