

RBP1 Monoclonal Antibody (G4E4)

Product Details	
Size	100 µg
Species Reactivity	Goat, Human, Mouse, Non-human primate, Rabbit, Rat
Published Species	Rat
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	G4E4
Conjugate	Unconjugated
Immunogen	Human retinol binding protein (RBP) purified from plasma
Form	Liquid
Concentration	0.1 mg/mL
Purification	purified
Storage buffer	PBS
Contains	0.02% sodium azide
Storage conditions	4° C
RRID	AB_2179286

Applications	Tested Dilution	Publications
Western Blot (WB)	Assay-dependent	-
Immunohistochemistry (IHC)	-	2 Publications
Immunohistochemistry (Paraffin) (IHC (P))	Assay-dependent	-
Immunohistochemistry (Frozen) (IHC (F))	Assay-dependent	-
ELISA (ELISA)	Assay-dependent	-

Product Specific Information

G4E4 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.

Immunohistochemistry (2)

<p>Hepatology (Baltimore, Md.)</p> <p>Transforming growth factor-beta and substrate stiffness regulate portal fibroblast activation in culture.</p> <p>"MA1-35782 was used in immunohistochemistry to investigate the influence of tumor growth factor beta on portal fibroblast activation"</p> <p>Authors: Li Z,Dranoff JA,Chan EP,Uemura M,Sévigny J,Wells RG</p>	<p>Year</p> <p>2007</p> <p>Species</p> <p>Rat</p> <p>Dilution</p> <p>1:200</p>
<p>Carcinogenesis</p> <p>cDNA microarray profiling of rat mammary gland carcinomas induced by 2-amino-1-methyl-6-phenylimidazo[4,5-b]pyridine and 7,12-dimethylbenz[a]anthracene.</p> <p>"MA1-35782 was used in immunohistochemistry to study the gene expression profiles of experimentally induced rat mammary gland carcinomas using cDNA microarray analysis"</p> <p>Authors: Shan L,He M,Yu M,Qiu C,Lee NH,Liu ET,Snyderwine EG</p>	<p>Year</p> <p>2002</p> <p>Species</p> <p>Rat</p> <p>Dilution</p> <p>1:400</p>

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