

Datasheet for ABIN6940482

anti-RBP4 antibody

2 Images



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Overview

Quantity:	100 µg
Target:	RBP4
Reactivity:	Human, Mouse, Rat, Rabbit, Monkey, Goat, Chimpanzee
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This RBP4 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Staining Methods (StM)

Product Details

Immunogen:	Retinol binding protein-1 Purified from human plasma
Clone:	G4E4
Isotype:	IgG1 kappa
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.

Product Details

Purification: Purified by Protein A/G

Target Details

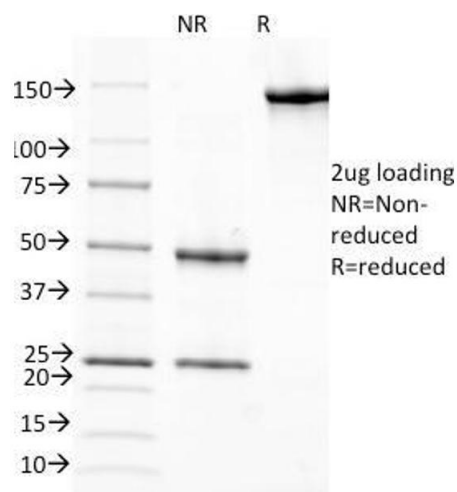
Target:	RBP4
Alternative Name:	RBP (RBP4 Products)
Molecular Weight:	21-25kDa
Gene ID:	5947, 5948, 5950
UniProt:	P02753 , P09455 , P50120
Pathways:	Regulatory RNA Pathways , Positive Regulation of Peptide Hormone Secretion , Carbohydrate Homeostasis , Production of Molecular Mediator of Immune Response

Application Details

Application Notes:	Positive Control: Hepatic or Ovarian Carcinoma. Known Application: Immunohistochemistry (Formalin-fixed) (0.1-0.2 µg/mL for 30 min at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

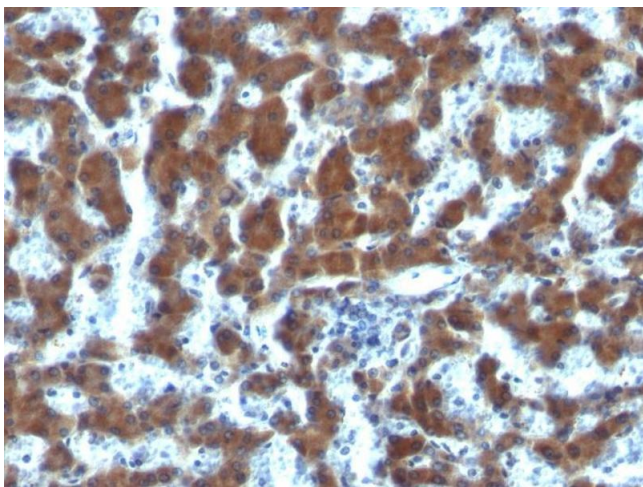
Handling

Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-80 °C
Storage Comment:	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. No MSDS required.
Expiry Date:	24 months



SDS-PAGE

Image 1. SDS-PAGE Analysis Purified RBP1 Mouse Monoclonal Antibody (G4E4). Confirmation of Integrity and Purity of Antibody



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human Hepatocellular Carcinoma stained with RBP1 Mouse Monoclonal Antibody (G4E4).