

Datasheet for ABIN6940483

anti-RBP4 antibody



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1 Image

Overview

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

Product Details

Immunogen:	Retinol binding protein Purified from human plasma
Clone:	SPM442
Isotype:	IgG1 kappa
Specificity:	Recognizes a protein of 21 kDa-25 kDa, identified as retinol binding protein (RBP). Its epitope localizes between aa 74-182 of human RBP. This MAb recognizes reduced and carboxy-methylated RBP (RCM-RBP) as well as the circulatory RBP but not the native RBP, thereby suggesting that its epitope becomes accessible either on unfolding or upon binding of RBP to transthyretin (prealbumin). RBP is responsible for distributing retinol from the retinoid stores in the liver to the various target tissues. Once secreted into the blood with bound retinol, the vitamin carrier circulates complexed with transthyretin prior to vitamin delivery at the plasma membrane through a receptor-mediated mechanism.

Product Details

Purification: Purified by Protein A/G

Target Details

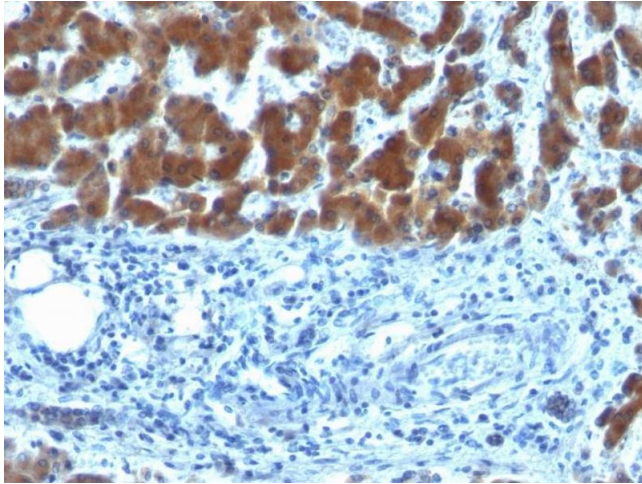
Target:	RBP4
Alternative Name:	RBP (RBP4 Products)
Molecular Weight:	21-25kDa
Gene ID:	5947, 5948, 5950
UniProt:	P02753 , P09455 , P50120
Pathways:	Regulatory RNA Pathways , Positive Regulation of Peptide Hormone Secretion , Carbohydrate Homeostasis , Production of Molecular Mediator of Immune Response

Application Details

Application Notes:	Positive Control: Liver or placenta. Known Application: Immunofluorescence (1-2 µg/mL), Western Blot (0.5-1 µg/mL), Immunohistochemistry (Formalin-fixed) (0.5-1 µg/mL for 30 minutes 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



Immunohistochemistry

Image 1. Formalin-fixed, paraffin-embedded human Hepatocellular Carcinoma stained with RBP1 (SPM442)