



# RBP4 Monoclonal Antibody

<b>Catalog No</b>	BYab-00616
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human
<b>Applications</b>	WB;IHC;IF;FCM;ELISA
<b>Gene Name</b>	RBP4
<b>Protein Name</b>	Retinol-binding protein 4
<b>Immunogen</b>	Purified recombinant fragment of human RBP4 expressed in E. Coli.
<b>Specificity</b>	RBP4 Monoclonal Antibody detects endogenous levels of RBP4 protein.
<b>Formulation</b>	Ascitic fluid containing 0.03% sodium azide,0.5% BSA, 50%glycerol.
<b>Source</b>	Monoclonal, Mouse
<b>Purification</b>	Affinity purification
<b>Dilution</b>	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/200 - 1/1000. Immunofluorescence: 1/200 - 1/1000. Flow cytometry: 1/200 - 1/400. ELISA: 1/10000. Not yet tested in other applications.
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	RBP4; Retinol-binding protein 4; Plasma retinol-binding protein; PRBP; RBP
<b>Observed Band</b>	
<b>Cell Pathway</b>	Secreted .
<b>Tissue Specificity</b>	Detected in blood plasma and in urine (at protein level).
<b>Function</b>	disease:A deficiency of vitamin A blocks secretion of the binding protein post-translationally and results in defective delivery and supply of vitamin to the epidermal cells (a condition associated with a dermatosis).,disease:Defects in RBP4 are a cause of retinol-binding protein deficiency [MIM:180250]. This condition causes night vision problems. It produces a typical "fundus xerophthalmicus," featuring a progressed atrophy of the retinal pigment epithelium.,function:Delivers retinol from the liver stores to the peripheral tissues. In plasma, the RBP-retinol complex interacts with transthyretin, this prevents its loss by filtration through the kidney glomeruli.,mass spectrometry: PubMed:12237133,mass spectrometry: PubMed:7666002,online information:Retina International's Scientific Newsletter,online information:Retinol-binding protein 4 entry,similarity:Belongs to the calycin

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**Background**

retinol binding protein 4(RBP4) Homo sapiens This protein belongs to the lipocalin family and is the specific carrier for retinol (vitamin A alcohol) in the blood. It delivers retinol from the liver stores to the peripheral tissues. In plasma, the RBP-retinol complex interacts with transthyretin which prevents its loss by filtration through the kidney glomeruli. A deficiency of vitamin A blocks secretion of the binding protein posttranslationally and results in defective delivery and supply to the epidermal cells. [provided by RefSeq, Jul 2008],

**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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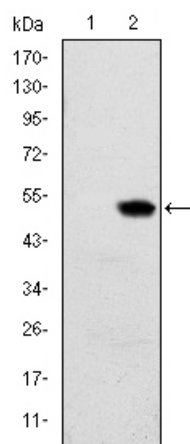
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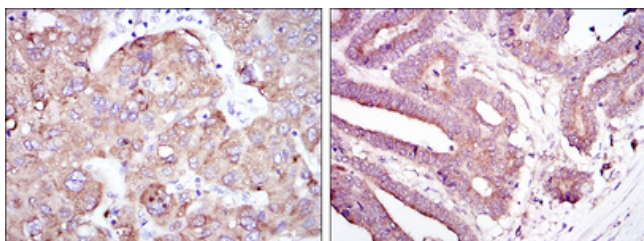
监督电话: 15950492658



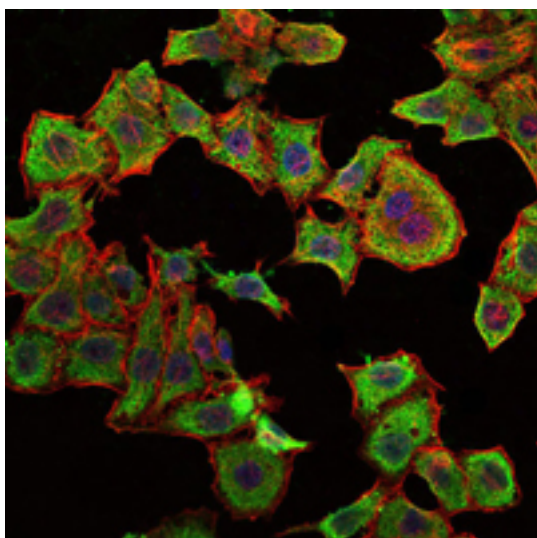
## Products Images



Western Blot analysis using RBP4 Monoclonal Antibody against HEK293 (1) and RBP4-hlgGFc transfected HEK293 (2) cell lysate.



Immunohistochemistry analysis of paraffin-embedded liver cancer tissues (left) and stomach cancer tissues (right) with DAB staining using RBP4 Monoclonal Antibody.



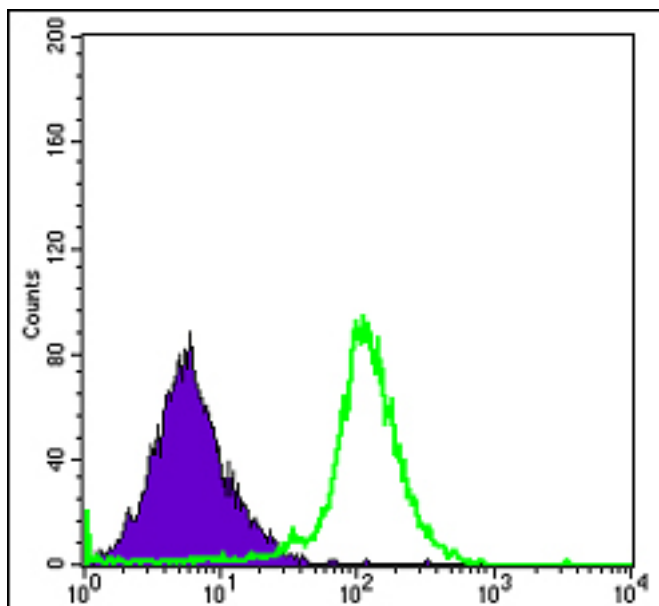
Immunofluorescence analysis of HepG2 cells using RBP4 Monoclonal Antibody (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

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Flow cytometric analysis of HepG2 cells using RBP4 Monoclonal Antibody (green) and negative control (purple).

