
Product Name: RBP4 Mouse Monoclonal Antibody**Catalog #: AMM80976**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	IHC,ICC,ELISA,FC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	PBS containing 0.03% sodium azide.
Purification	Affinity Purification

Application

Dilution Ratio	IHC 1:200-1:1000,ICC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	23kDa

Antigen Information

Gene Name	RBP4
Alternative Names	RBP4
Gene ID	5950.0
SwissProt ID	P02753
Immunogen	Purified recombinant fragment of human RBP expressed in E. Coli.

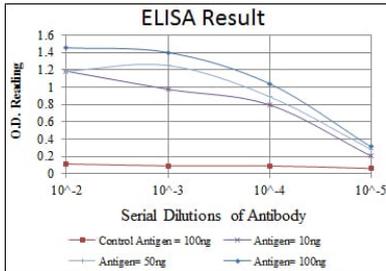
Background

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

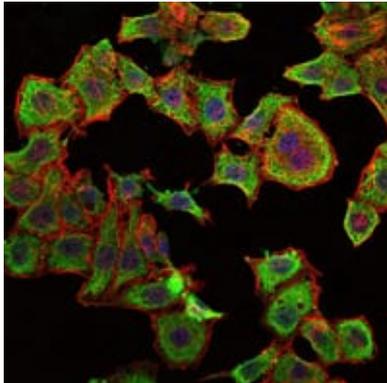
posttranslationally and results in defective delivery and supply to the epidermal cells. (provided by RefSeq)

Research Area

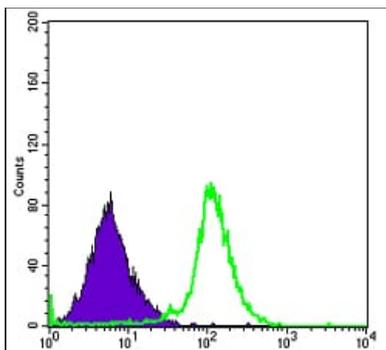
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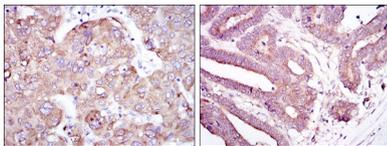
Red: Control Antigen (100ng); Purple: Antigen (10ng); Green: Antigen (50ng); Blue: Antigen (100ng);



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



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



Immunohistochemical analysis of paraffin-embedded human liver cancer tissues (left) and stomach cancer tissues (right) using RBP4 mouse mAb with DAB staining.