

RBP4 Monoclonal Antibody

Description

Product type	Primary Antibody
Code	BT-MCA1095
Host	Mouse
Isotype	IgG
Size	50ul, 100ul
Immunogen	Purified recombinant fragment of human RBP4 expressed in E. Coli.
Mol wt	N/A
Species reactivity	Human
Clonality	Monoclonal
Recommended application	WB, IHC-p, IF, ICC, FCM, ELISA
Concentration	1 mg/ml
Full name	Retinol-binding protein 4
Synonyms	RBP4; Retinol-binding protein 4; Plasma retinol-binding protein; PRBP; RBP

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

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.

Recommended Dilution

FC: 1:200 - 1:400

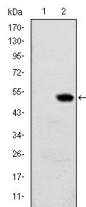
IF: 1:200 - 1:1000

IHC: 1:200 - 1:1000

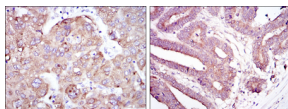
WB: 1:500 - 1:2000

Not yet tested in other applications.

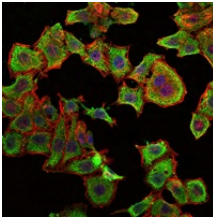
Images



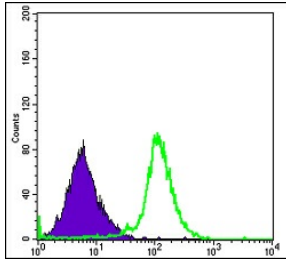
Western Blot analysis using RBP4 Monoclonal antibody against HEK293 (1) and RBP4-hIgGfc transfected HEK293 (2) cell lysate.



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.



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

Storage

-20°C for one year

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