

Recombinant Anti-RBP4 Rabbit mAb

Catalog # AP95074

Product Information

Application	WB, IHC, FC, IF/IC
Primary Accession	P02753
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal
Calculated MW	23010

Additional Information

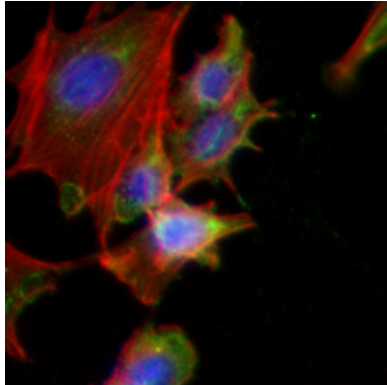
Gene ID	5950
Other Names	Retinol-binding protein 4; Plasma retinol-binding protein; PRBP; RBP
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within human RBP4 protein. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 FC~~1:10~50 IF/IC~~N/A
Format	Liquid in PBS, pH 7.3, 50% glycerol, 0.05% BSA, and 0.05% Proclin300.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	RBP4
Function	Retinol-binding protein that mediates retinol transport in blood plasma (PubMed: 5541771). Delivers retinol from the liver stores to the peripheral tissues (Probable). Transfers the bound all-trans retinol to STRA6, that then facilitates retinol transport across the cell membrane (PubMed: 22665496).
Cellular Location	Secreted
Tissue Location	Detected in blood plasma and in urine (at protein level).

Images

Western blot analysis of RBP4 expression in HepG2 (A) whole cell lysates. (Predicted band size: 23 kD; Observed band size: 23 kD)



Immunofluorescent analysis of RBP4 staining in HepG2 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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