

ARG57093 anti-RBP4 antibody [2B4]

Package: 50 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [2B4] recognizes RBP4
Tested Reactivity	Hu
Tested Application	FACS, WB
Host	Mouse
Clonality	Monoclonal
Clone	2B4
Isotype	IgG1, kappa
Target Name	RBP4
Species	Human
Immunogen	Recombinant fragment around aa. 19-201 of Human RBP4
Conjugation	Un-conjugated
Alternate Names	Plasma retinol-binding protein; MCOPCB10; 1-176; RDCCAS; RBP; Retinol-binding protein 4; PRBP; 1-182; 1-179; 1-181

Application Instructions

Application table	Application	Dilution
	FACS	Assay-dependent
	WB	1:500 - 1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS (pH 7.4), 0.02% Sodium azide and 10% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	10% Glycerol
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links [GeneID: 5950 Human](#)
[Swiss-port # P02753 Human](#)

Gene Symbol RBP4

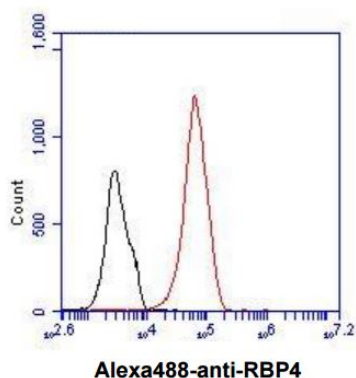
Gene Full Name retinol binding protein 4, plasma

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, Jul 2008]

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. [UniProt]

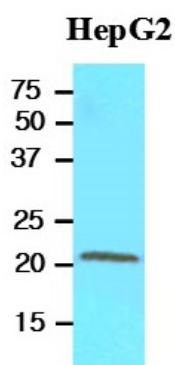
Calculated Mw 23 kDa

Images



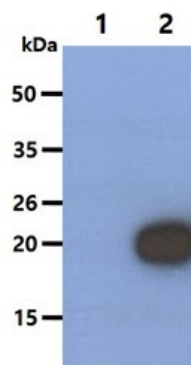
ARG57093 anti-RBP4 antibody [2B4] FACS image

Flow Cytometry: HepG2 cell line stained with ARG57093 anti-RBP4 antibody [2B4] at 2-5 μ g for 1×10^6 cells (red line). Secondary antibody: Goat anti-Mouse IgG Alexa fluor 488 conjugate. Isotype control antibody: Mouse IgG (black line).



ARG57093 anti-RBP4 antibody [2B4] WB image

Western blot: 60 μ g of HepG2 cell lysate stained with ARG57093 anti-RBP4 antibody [2B4] at 1:500.



ARG57093 anti-RBP4 antibody [2B4] WB image

Western blot: 10 µg of 1) 293T, and 2) RBP4 transfected 293T cell lysates stained with ARG57093 anti-RBP4 antibody [2B4] at 1:500.