

ARG10620 anti-RBP4 antibody [RB48]

Package: 100 µg, 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [RB48] recognizes RBP4
Tested Reactivity	Hu
Tested Application	ELISA, WB, sELISA
Specificity	This antibody recognizes free RBP4 and RBP4 in complex with transthyretin. This antibody recognizes apo- as well as holo-RBP4.
Host	Mouse
Clonality	Monoclonal
Clone	RB48
Isotype	IgG1
Target Name	RBP4
Species	Human
Immunogen	Human plasma RBP4.
Conjugation	Un-conjugated
Alternate Names	Plasma retinol-binding protein; MCOPCB10; RDCCAS; RBP; Retinol-binding protein 4; PRBP

Application Instructions

Application table	Application	Dilution
	ELISA	Assay-dependent
	WB	Assay-dependent
	sELISA	Assay-dependent
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 A.
Buffer	PBS (pH 7.4) and 0.1% Sodium azide
Preservative	0.1% Sodium azide
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 or below. 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.

Bioinformation

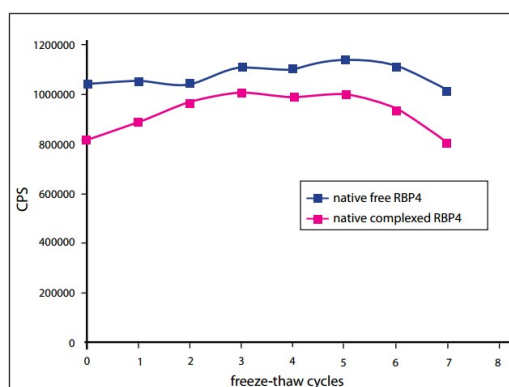
Database links	GeneID: 5950 Human Swiss-port # P02753 Human
Gene Symbol	RBP4
Gene Full Name	retinol binding protein 4, plasma
Background	This protein belongs to the lipocalin family and is the specific carrier for retinol (vitamin A alcohol) in the blood. It delivers retinol from the liver stores to 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]
Highlight	Related Antibody Duos and Panels: ARG30283 RBP4 ELISA Antibody Duo Related products: RBP4 antibodies: RBP4 ELISA Kits: RBP4 Duos / Panels: Anti-Mouse IgG secondary antibodies:
Calculated Mw	23 kDa

Images



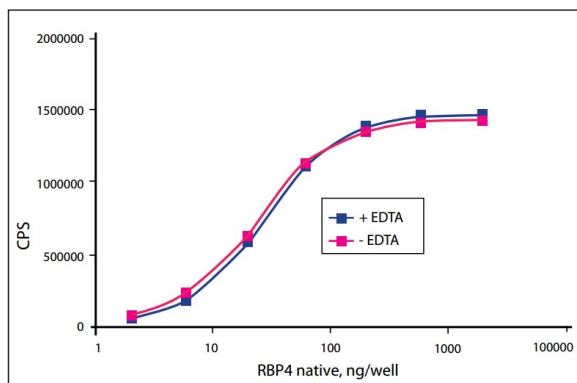
ARG10620 anti-RBP4 antibody [RB48] WB image

Western blot: Immunodetection of RBP4 in WB after SDS electrophoresis in reducing conditions by ARG10620 anti-RBP4 antibody [RB48]. 1 µg of purified endogenous RBP4 was loaded.



ARG10620 anti-RBP4 antibody [RB48] sELISA image

Sandwich ELISA: Immunoreactivity of native free and native complexed RBP4 after several freeze-thaw cycles measured with the assay RB48 - RB42. Capture antibody: ARG10620 anti-RBP4 antibody [RB48] (1 µg/well); Detection antibody: ARG10619 anti-RBP4 antibody [RB42] labeled with stable Eu3+ chelate (0.2 µg/well). Antigen: Native isolated RBP4.



ARG10620 anti-RBP4 antibody [RB48] sELISA image

Sandwich ELISA: Immunodetection of purified endogenous RBP4 in sandwich immunoassay by RB48-RB42 MAb assay in presence of 5 mM EDTA (blue line) or in absence of EDTA (pink line). Capture antibody: ARG10620 anti-RBP4 antibody [RB48] (1 µg/well); Detection antibody: ARG10619 anti-RBP4 antibody [RB42] labeled with stable Eu3+ chelate (0.2 µg/well). Antigen: Native isolated RBP4.