

## ARG10619 anti-RBP4 antibody [RB42]

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

### Summary

Product Description	Mouse Monoclonal antibody [RB42] 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	RB42
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

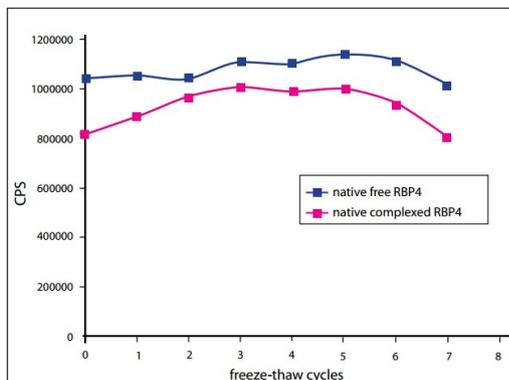
Database links	<a href="#">GeneID: 5950 Human</a> <a href="#">Swiss-port # P02753 Human</a>
Gene Symbol	RBP4
Gene Full Name	retinol binding protein 4, plasma
Background	This protein belongs to the lipocalin family and is the specific carrier for retinol (vitamin A alcohol) in the blood. It delivers retinol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

## Images



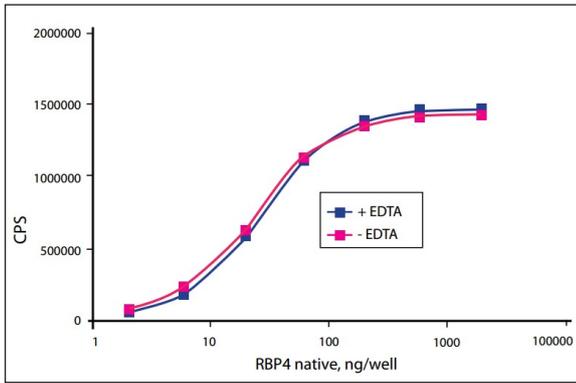
ARG10619 anti-RBP4 antibody [RB42] WB image

Western blot: Immunodetection of RBP4 in WB after SDS electrophoresis in reducing conditions by ARG10619 anti-RBP4 antibody [RB42]. 1 µg of purified endogenous RBP4 was loaded.



ARG10619 anti-RBP4 antibody [RB42] 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 Eu<sup>3+</sup> chelate (0.2 µg/well). Antigen: Native isolated RBP4.



### ARG10619 anti-RBP4 antibody [RB42] 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 Eu<sup>3+</sup> chelate (0.2 µg/well). Antigen: Native isolated RBP4.