RBP4 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	RBP4, Monoclonal Antibody
Full Product Name	RBP4 (Retinol Binding Protein 4, Plasma) (MaxLight 490)
Product Gene Name	anti-RBP4 antibody
Product Synonym Names	Retinol Binding Protein 4; Plasma
Clonality	Monoclonal
Isotype	IgG1, lambda
Clone Number	4H7
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight490.
Purity/Purification	Purified
Specificity	Recognizes RBP4.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	23,010 Da
Immunogen	RBP4 (AAH20633.1, 19aa-201aa) full-length recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	ERDCRVSSFRVKENFDKARFSGTWYAMAKKDPEGLFLQDNIVAEFSVDETGQMSATAKGRVRLLNNWDVCADMVGTFTDTEDPAKFKMKYWGVASFL
Conjugate	MaxLight490
Product Categories/Family for anti-RBP4 antibody	Antibodies; Binding Proteins
Applications Tested/Suitable for anti-RBP4 antibody	Immunohistochemistry (IHC), Western Blot (WB)
Application Notes for anti-RBP4 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-RBP4 antibody	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 kidney glomeruli. A deficiency of vitamin A blocks secretion of the binding protein posttranslationally and results in defective delivery and supply to t

Product References and Citations for anti-RBP4 antibody	1. MafA and MafB regulate genes critical to beta-cells in a unique temporal manner. Artner I, Hang Y, Mazur M, Yamamoto T, Guo M, Lindner J, Magnu
Other Notes	Small volumes of anti-RBP4 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessa ship with dry ice and additional dry ice fee may apply.
Searchable Terms for RBP4 purchase	MBS6208252 is an antibody targeting RBP4. Also known as RBP4 (Retinol Binding Protein 4, Plasma) (MaxLight 490). Host: Mouse.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RBP4. It may not necessarily be applicable to this product.

NCBI GI #	18088326
NCBI GeneID	5950
NCBI Accession #	AAH20633.1
UniProt Secondary Accession #	O43478; O43479; Q5VY24; Q8WWA3; Q9P178; D3DR38
UniProt Related Accession #	P02753
NCBI Official Full Name	Retinol binding protein 4, plasma
NCBI Official Synonym Full Names	retinol binding protein 4
NCBI Official Symbol	RBP4
NCBI Official Synonym Symbols	RDCCAS; MCOPCB10
Protein Family	Retinol-binding protein
NCBI Protein Information	retinol-binding protein 4
Research Articles on RBP4	**1.** This review attempts to describe and summarize the variety of published mechanisms of how RBP4 can interfere with insulin signaling; these mechanisms are dissected in regard to involving retinol transport and newly-identified RBP4 membrane receptors. [Review]
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