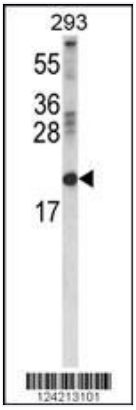
RBP2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	RBP2, Polyclonal Antibody
Full Product Name	RBP2, ID (RBP2, CRBP2, Retinol-binding protein 2, Cellular retinol-binding protein II) (PE)
Product Gene Name	anti-RBP2 antibody
Product Synonym Names	RBP2; CRBP2; Retinol-binding protein 2; Cellular retinol-binding protein II
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE).
Purity/Purification	Purified by Protein A Affinity Chromatography.
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 amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: PE conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	15,707 Da
OMIM	180280
3D Structure	ModBase 3D Structure for P50120
Immunogen	RBP2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 63~92 amino acids from the Central region of human RBP2.
Conjugate	PE
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-RBP2 antibody	Antibodies; Binding Proteins
Applications Tested/Suitable for anti-RBP2 antibody	Western Blot (WB), FLISA
Application Notes for anti-RBP2 antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-RBP2 antibody	RBP2 is an abundant protein present in the small intestinal epithelium. It is thought to participate in the uptake and/or intracellular metabolism of vitamin A. Vitamin A is a fat-soluble vitamin necessary for growth, reproduction, differentiation of epithelial tissues, and vision. RBP2 may also modulate the supply of retinoic acid to the nuclei of endometrial cells during the menstrual cycle.
Product References and Citations for anti-RBP2 antibody	Zeng, J., et al. Gastroenterology 138(3):981-992(2010). Yamaguchi, N., et al. Am. J. Physiol. Gastrointest. Liver Physiol. 296 (3), G524-G533 (2009). Tarter, M., et al. Proteins 70(4):1626-1630(2008). Zhang, L., et al. Am. J. Physiol. Gastrointest. Liver Physiol. 282 (6), G1079-G1087 (2002). Folli, C., et al. Proc. Natl. Acad. Sci. U.S.A. 98(7):3710-3715(2001), Herr, F.M., et al. Biochemistry 31(29):6748-6755(1992). Astrom, A., et al. J. Biol. Chem. 266(26):17662-17666(1991).

Other Notes	Small volumes of anti-RBP2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for RBP2 purchase	MBS6340926 is an antibody targeting RBP2. Also known as RBP2, ID (RBP2, CRBP2, Retinol-binding protein 2, Cellular retinol-binding protein II) (PE). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-RBP2 antibody
Western blot analysis of RBP2 Antibody (Center) in 293 cell line lysates (35ug/lane). RBP2 (arrow) was detected using the purified Pab.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RBP2. It may not necessarily be applicable to this product.

NCBI GI #	40354214
NCBI GeneID	5948
NCBI Accession #	NP_004155.2
UniProt Primary Accession #	P50120
UniProt Secondary Accession #	Q6ISQ9; Q6ISS7; A8K7G3
UniProt Related Accession #	P50120
GenBank Nucleotide #	NM_004164.2
NCBI Official Full Name	retinol-binding protein 2
NCBI Official Synonym Full Names	retinol binding protein 2, cellular
NCBI Official Symbol	RBP2
NCBI Official Synonym Symbols	CRBP2; RBPC2; CRBPII; CRABP-II
UniProt Protein Name	Retinol-binding protein 2
UniProt Synonym Protein Names	Cellular retinol-binding protein II; CRBP-II
Protein Family	Retinol-binding protein
UniProt Gene Name	RBP2
UniProt Synonym Gene Names	CRBP2; CRBP-II
UniProt Entry Name	RET2_HUMAN
NCBI Protein Information	retinol-binding protein 2; CRBP-II; cellular retinol-binding protein II; retinol-binding protein 2, cellular

UniProt Comments for RBP2	RBP2: Intracellular transport of retinol. Belongs to the calycin superfamily. Fatty-acid binding protein (FABP) family. Chromosomal Location of Human Ortholog: 3q23 Cellular Component: cytosol Molecular Function: retinoid binding; transporter activity; retinol binding; retinal binding Biological Process: phototransduction, visible light; epidermis development; transport; retinoid metabolic process; vitamin A metabolic process
Research Articles on RBP2	**1.** RBP2 is critical for breast cancer metastasis to the lung in multiple in vivo models. Mechanistically, RBP2 promotes metastasis as a pleiotropic positive regulator of many metastasis genes, including TNC.
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