

Mouse anti-Human RBP4 Monoclonal Antibody | anti-RBP4 antibody

RBP4 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48046	Mouse	Human	Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, Western Blot, ELISA

PRODUCT SYNONYMS

RBP4; Monoclonal Antibody; RBP4 antibody; Retinol binding protein 4; Retinol binding protein 4 Plasma retinol binding protein 4; prbp; PRO2222; Retinol binding protein 4 interstitial; Retinol binding protein 4 plasma; ; anti-RBP4 antibody

PRODUCT SPECIFICATIONS

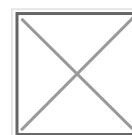
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, k
Clone Number	AT2B4
Purity/Purification	By protein-G affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	201
Applicable Applications for anti-RBP4 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human RBP4 (19-201aa) purified from E. coli
Clone Note	Anti-human RBP4 mAb, clone AT2B4, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human RBP4 protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)

ICC/IF analysis of RBP4 in Hep3B cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human RBP4 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



WB (Western Blot)

Lane 2.: NFATc1 transfected 293T cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-RBP4 antibody	Retinol binding protein 4 (RBP4) belongs to the lipocalin family and is the specific carrier for retinol in the blood. This protein was found to be expressed and secreted by adipose tissue, and was strongly associated with insulin resistance. 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.
Product Categories/Family for anti-RBP4 antibody	Metabolism
References	Tan Bk, et al., (2007) J Clin Endocrinol Metab 92 (7):2590-2597; Yao-Borengasser A, et al., (2007) J Clin Endocrinol Metab 92 (7):2430-2432

NCBI AND UNIPROT INFORMATION

NCBI GI #	55743122
NCBI GeneID	5950
NCBI Accession #	NP_006735
NCBI GenBank Nucleotide #	NM_006744.3
UniProt Accession #	P02753; O43478; O43479; Q5VY24; Q8WWA3; Q9P178; D3DR38
Molecular Weight	23,010 Da
NCBI Official Full Name	retinol-binding protein 4 isoform a
NCBI Official Synonym Full Names	retinol binding protein 4
NCBI Official Symbol	RBP4
NCBI Official Synonym Symbols	RDCCAS; MCOPCB10
NCBI Protein Information	retinol-binding protein 4
UniProt Protein Name	Retinol-binding protein 4
UniProt Gene Name	RBP4
UniProt Synonym Gene Names	PRBP; RBP

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/rbp4-antibody-clone-at2b4-immunofluorescence-immunocytochemistry-flow-cytometry-western-blot-elisa/48046>