

Mouse anti-Human Retinol-binding protein 4 Monoclonal Antibody | anti-RBP4 antibody

Mouse anti- human Retinol-binding protein 4(RBP4) monoclonal Antibody

CATALOG # AAA117779	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
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PRODUCT SYNONYMS

Retinol-binding protein 4; Monoclonal Antibody; Mouse anti- human Retinol-binding protein 4(RBP4) monoclonal Antibody; Plasma retinol-binding protein; PRBP; RBP; RBP4; PRO2222; anti-RBP4 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Specificity	Specific for native and denatured forms
Purity/Purification	>95%, Protein G Purified
Sequence Length	201
Applicable Applications for anti-RBP4 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Conjugate	Non-conjugated
Immunogen	Recombinant Human Retinol-binding protein 4 protein
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-48384 / sc-69795 / sc-46688
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



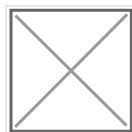
IHC (Immunohistochemistry)

Immunohistochemical of paraffin-embedded human nephridial tissue using AAA117779 at dilution of 1:200



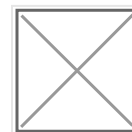
IHC (Immunohistochemistry)

Immunohistochemical of paraffin-embedded human hepatic tissue using AAA117779 at dilution of 1:200



WB (Western Blot)

All lanes: Mouse anti- human Retinol-binding protein 4 monoclonal antibody at 0.3ug/mL
Lane 1: RBP4 transfected E.coli lysate
Lane 2: Human positive serum 1:100
Lane 3: mouse liver tissue
Secondary: HRP labeled Goat polyclonal to Mouse IgG at 1/3000 dilution
Predicted band size: 23kd
Observed band size: 27kd



WB (Western Blot)

All lanes: Mouse anti- human Retinol-binding protein 4 monoclonal antibody at 0.3ug/mL
Lane 1: Human positive serum 1:10
Lane 2: Human positive serum 1:100
Secondary: HRP labeled Goat polyclonal to Mouse IgG at 1/3000 dilution
Predicted band size: 23kd
Observed band size: 27kd

ADDITIONAL INFORMATION

Related Product Information for anti-RBP4 antibody	Retinol (Vitamin A) is transported in the blood bound to its carrier protein, retinol-binding protein (RBP), also designated plasma retinol-binding protein (PRBP) or RBP4. A member of the lipocalin family, RBP conveys retinol from stores in the liver to peripheral tissues. In plasma, RBP binds transthyretin (TTR, formerly called prealbumin) to prevent glomerular filtration of low molecular weight RBP in the kidneys. The stability of this complex holds importance because the molar ratio of RBP:TTR provides an indirect way to indicate marginal vitamin A deficiency. Vitamin A deficiency blocks the secretion of RBP resulting in defective delivery and supply to epidermal cells. Originally identified solely as a transporter protein, recent studies correlating increased levels of RBP expression in adipose tissue with insulin resistance have generated research into the possible roles the protein may play in the pathogenesis of type 2 diabetes and obesity.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	55743122
NCBI GeneID	5950
NCBI Accession #	NP_006735.2
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
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
UniProt Entry Name	RET4_HUMAN

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/retinol-binding-protein-4-antibody-immunohistochemistry-western-blot-elisa/117779>