Datasheet for ABIN7126875

anti-RBP4 antibody (AA 29-148)

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Overview

Quantity:	100 µg
Target:	RBP4
Binding Specificity:	AA 29-148
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This RBP4 antibody is un-conjugated
Application:	Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

Product Details

Immunogen:	Recombinant fragment (around aa29-148) of human RBP4 protein (exact sequence is proprietary)
Isotype:	IgG2b
Specificity:	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 diagnostic 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

Product Details

	generated research into the possible roles the protein may play in the pathogenesis of type 2 diabetes and obesity.
Cross-Reactivity (Details):	Human
Purification:	1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

Target Details

Target:	RBP4
Alternative Name:	RBP4 (RBP4 Products)
Background:	Plasma retinol binding protein 4 (PRBP), RDCCAS, Retinol binding protein 4 interstitial,RBP4 / Retinol Binding Protein 4 Cellular localisation: Secreted
Molecular Weight:	25kDa
Gene ID:	5950, 50223
UniProt:	P02753
Pathways:	Regulatory RNA Pathways, Positive Regulation of Peptide Hormone Secretion, Carbohydrate Homeostasis, Production of Molecular Mediator of Immune Response

Application Details

Application Notes:	Known_Application: Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT),(Staining of formalin-fixed tissues requires heating tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 45 min at 95 &degC followed by cooling at RT for 20 minutes),Optimal dilution for a specific application should be determined. Positive_Control: HeP-G2 cells. Human kidney, pancreas or liver tissues.
Restrictions:	For Research Use only

Handling

Concentration:	1.0 mg/mL
Buffer:	Prepared in 10 mM PBS, WITHOUT BSA and Azide.
Preservative:	Azide free
Storage:	-20 °C,-80 °C

Handling

Storage Comment:	Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous.
Expiry Date:	24 months

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