

Datasheet for ABIN7126883

Recombinant anti-RBP4 antibody (AA 29-148)[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	RBP4
Binding Specificity:	AA 29-148
Reactivity:	Human
Host:	Mouse
Antibody Type:	Recombinant Antibody
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:	IgG1
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

Product Details

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.

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 °C 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

Handling

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