

Datasheet for ABIN1169042

anti-RBP4 antibody[Go to Product page](#)

1 Image

1 Publication

Overview

Quantity:	100 µg
Target:	RBP4
Reactivity:	Human
Host:	Guinea Pig
Clonality:	Polyclonal
Conjugate:	This RBP4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Recombinant human RBP4.
Specificity:	Recognizes human RBP4. Detects a band of ~22-25 kDa by Western blot.
Cross-Reactivity:	Human
Cross-Reactivity (Details):	Weakly cross-reacts with mouse and rat RBP4.
Sterility:	0.2 µm filtered

Target Details

Target:	RBP4
Alternative Name:	RBP4 (RBP4 Products)
Background:	Retinol binding protein 4 (RBP4, RBP) is a 21 kDa secreted protein, a member of the lipocalin family and is known as the primary transporter of retinol (vitamin A) to tissues. A recent report

Target Details

revealed RBP4 as an adipokine linking glucose transporter 4 (GLUT4) suppression in adipose tissue to insulin. Elevated human and mouse serum RBP4 levels are associated with insulin resistance and its severity, obesity, and certain components of metabolic syndrome. Furthermore, human serum RBP4 levels are closely related to renal function.

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: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: 0.2µm-filtered solution in PBS, pH 7.4. Contains no preservatives.

Preservative: Without preservative

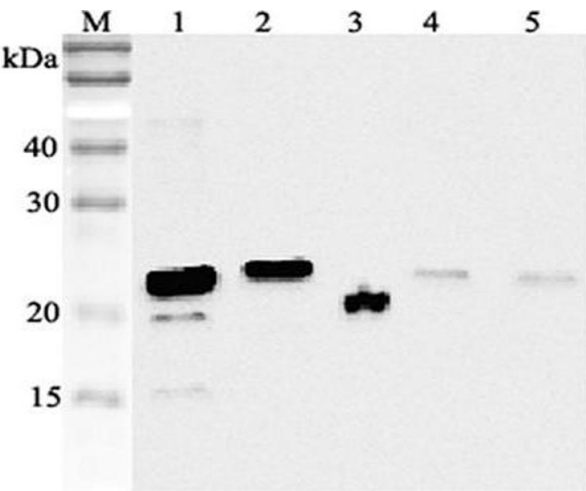
Storage: 4 °C, -20 °C

Storage Comment: Short Term Storage: +4°C
Long Term Storage: -20°C
Stable for at least 6 months after receipt when stored at -20°C.

Expiry Date: 6 months

Publications

Product cited in: Sung, Hong, Suh, Cho, Park, Bae, Park, Han, Song: "Role of (-)-epigallocatechin-3-gallate in cell viability, lipogenesis, and retinol-binding protein 4 expression in adipocytes." in: **Naunyn-Schmiedeberg's archives of pharmacology**, Vol. 382, Issue 4, pp. 303-10, (2010) ([PubMed](#)).



Western Blotting

Image 1. Western blot analysis using anti-RBP4 (human), pAb at 1:2'000 dilution. 1: Human RBP4 (His-tagged). 2: Human RBP4 (FLAG ® -tagged). 3: Human serum (2µl). 4: Mouse RBP4 (FLAG ® -tagged). 5: Rat RBP4 (FLAG ® -tagged).