

Datasheet for ABIN1344327 RBP4 Protein (AA 19-201) (DYKDDDDK Tag)

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1 Publication

Overview

Quantity:	10 µg
Target:	RBP4
Protein Characteristics:	AA 19-201
Origin:	Rat
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RBP4 protein is labelled with DYKDDDDK Tag.
Application:	SDS-PAGE (SDS)

Product Details

Cross-Reactivity:	Rat (Rattus)
Characteristics:	Rat RBP4 (aa 19-201) is fused at the N-terminus to a FLAG®-tag.
Purity:	>90 % (SDS-PAGE)
Sterility:	0.2 µm filtered
Endotoxin Level:	<0.1EU/µg purified protein (LAL test, Lonza).

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

Target Details

family and is known as the primary transporter of retinol (vitamin A) to tissues. A recent report 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.

Molecular Weight: ~23kDa (SDS-PAGE)

UniProt: [P04916](#)

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 7.2.

Storage: 4 °C, -20 °C

Storage Comment: Short Term Storage: +4°C
Long Term Storage: -20°C
Working aliquots are stable for up to 3 months when stored at -20°C.

Expiry Date: 3 months

Publications

Product cited in: Atsriku, Hoffmann, Moghaddam, Kumar, Surapaneni: "In vitro metabolism of a novel JNK inhibitor tanzisertib: interspecies differences in oxido-reduction and characterization of enzymes involved in metabolism." in: **Xenobiotica; the fate of foreign compounds in biological systems**, Vol. 45, Issue 6, pp. 465-80, (2015) ([PubMed](#)).