

RBP4, rat recombinant protein

Retinol Binding Protein 4, Plasma retinol-binding protein, PRBP, RBP

Catalog # PBV11176r

Specification

RBP4, rat recombinant protein - Product info

Primary Accession [P04916](#)
Calculated MW ~23.0 kDa
(monomer). Rat RBP4 (aa 19-201) is fused at the C-terminus to a His-Tag KDa

RBP4, rat recombinant protein - Additional Info

Gene ID 25703
Gene Symbol RBP4
Other Names
Retinol Binding Protein 4, Plasma retinol-binding protein, PRBP, RBP
Gene Source Rat
Source E. coli
Assay&Purity SDS-PAGE; ≥90%
Assay2&Purity2 N/A;
Recombinant Yes
Target/Specificity
RBP4

Format
Liquid

Storage
-20°C; 0.2 µm-filtered solution in 55 mM TRIS-Cl, pH 8.2 containing 150 mM NaCl.

RBP4, rat recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

RBP4, rat recombinant protein - 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 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.

RBP4, rat recombinant protein - References

Laurent B.C., et al. J. Biol. Chem. 260:11476-11480(1985).
Sundelin J., et al. J. Biol. Chem. 260:6472-6480(1985).