10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.622.0609

RBP4 Blocking Peptide (N-term)

Synthetic peptide
Catalog # BP20177A

Specification

RBP4 Blocking Peptide (N-term) - Product Information

Primary Accession	P02753
Other Accession	P04916, P27485, Q00724, NP_006735.2, Q28369

RBP4 Blocking Peptide (N-term) - Additional Information

Gene ID 5950

Other Names
Retinol-binding protein 4, Plasma retinol-binding protein, PRBP, RBP, Plasma retinol-binding protein(1-182), Plasma retinol-binding protein(1-181), Plasma retinol-binding protein(1-179), Plasma retinol-binding protein(1-176), RBP4

Target/Specificity
The synthetic peptide sequence is selected from aa 26-40 of HUMAN RBP4

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

RBP4 Blocking Peptide (N-term) - Protein Information

Name RBP4

RBP4 Blocking Peptide (N-term) - Background

This protein belongs to the lipocalin family and is the
specific carrier for retinol (vitamin A alcohol) in the blood. It
delivers retinol from the liver stores to the peripheral tissues.
In plasma, the RBP-retinol complex interacts with transthyretin
which prevents its loss by filtration through the kidney glomeruli.
A deficiency of vitamin A blocks secretion of the binding protein
posttranslationally and results in defective delivery and supply to
the epidermal cells.

RBP4 Blocking Peptide (N-term) - References

Wang, S.N., et al. J. Formos. Med. Assoc. 109(6):422-429(2010)
Liu, X.H., et al. Zhonghua Yi Xue Za Zhi 90(18):1251-1254(2010)
Ku, Y.H., et al. J. Int. Med. Res. 38(3):782-791(2010)
Giacomozzi, C., et al. J. Endocrinol. Invest. 33(4):218-221(2010)
Nair, A.K., et al. PLoS ONE 5 (7), E11444 (2010)
:

Function
Retinol-binding protein that mediates retinol transport in blood plasma (PubMed:5541771). Delivers retinol from the liver stores to the peripheral tissues (Probable). Transfers the bound all-trans retinol to STRA6, that then facilitates retinol transport across the cell membrane (PubMed:22665496).

Cellular Location
Secreted

Tissue Location
Detected in blood plasma and in urine (at protein level).

RBP4 Blocking Peptide (N-term) - Protocols

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

- Blocking Peptides