

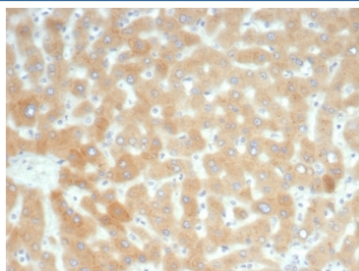
Recombinant Retinol Binding Protein 4 Antibody / RBP4 [clone RBP4/7045R] (V9568)

Catalog No.	Formulation	Size
V9568-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9568-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9568SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

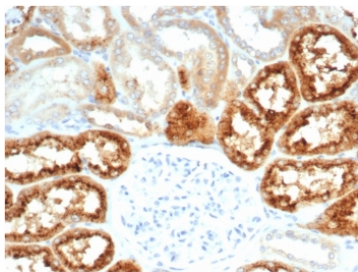
Recombinant **RABBIT MONOCLONAL**

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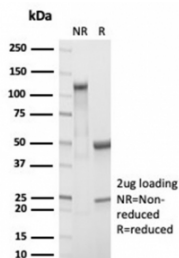
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	RBP4/7045R
Purity	Protein A/G affinity
UniProt	P02753
Localization	Secreted
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This recombinant Retinol Binding Protein 4 antibody is available for research use only.



IHC staining of FFPE human liver tissue with recombinant Retinol Binding Protein 4 antibody (clone RBP4/7045R). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human kidney tissue with recombinant Retinol Binding Protein 4 antibody (clone RBP4/7045R). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free recombinant Retinol Binding Protein 4 antibody (clone RBP4/7045R) as confirmation of integrity and purity.

Description

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 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.

Application Notes

Optimal dilution of the recombinant Retinol Binding Protein 4 antibody should be determined by the researcher.

Immunogen

A portion of amino acids 29-148 was used as the immunogen for the recombinant Retinol Binding Protein 4 antibody.

Storage

Aliquot the recombinant Retinol Binding Protein 4 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.