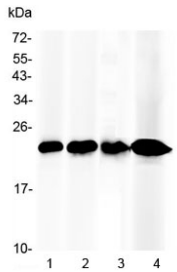
RBP4 Antibody / Retinol Binding Protein 4 (R32882)

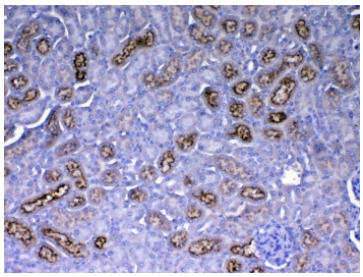
Catalog No.	Formulation	Size
R32882	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

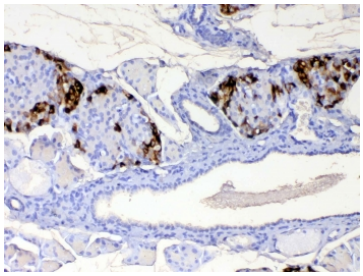
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA, 0.025% sodium azide
UniProt	Q00724
Localization	Cytoplasmic
Applications	Western Blot: 0.5-1ug/ml IHC (FFPE): 1-2ug/ml ELISA (Capture; recombinant mouse protein): 0.1-0.5ug/ml (BSA-free format available)
Limitations	This RBP4 antibody is available for research use only.



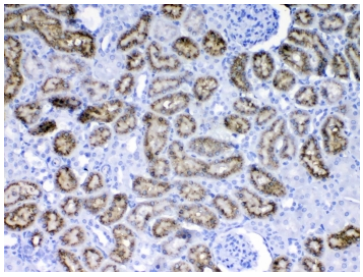
Western blot testing of 1) mouse liver, 2) rat liver, 3) human placenta and 4) human HepG2 lysate with RBP4 antibody at 0.5ug/ml. Predicted molecular weight ~23 kDa.



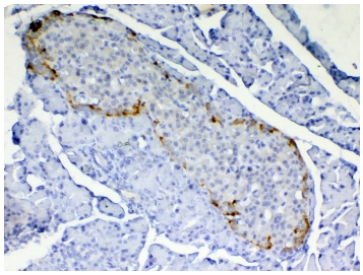
IHC testing of FFPE mouse kidney tissue with RBP4 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



IHC testing of FFPE mouse pancreas tissue with RBP4 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



IHC testing of FFPE rat kidney tissue with RBP4 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



IHC testing of FFPE rat pancreas tissue with RBP4 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.

Description

RBP4 is also known as RDCCAS. 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.

Application Notes

Optimal dilution of the RBP4 antibody should be determined by the researcher.

Immunogen

A recombinant mouse protein corresponding to amino acids E19-L201 was used as the immunogen for the RBP4 antibody.

Storage

After reconstitution, the RBP4 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at

-20oC. Avoid repeated freezing and thawing.

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