

Datasheet for ABIN5647248

anti-RBP4 antibody

4 Images

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Overview

Quantity:	100 µg
Target:	RBP4
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), ELISA (Capture)

Product Details

Immunogen:	A recombinant mouse protein corresponding to amino acids E19-L201 was used as the immunogen for the RBP4 antibody.
Isotype:	IgG
Purification:	Antigen affinity purified

Target Details

Target:	RBP4
Alternative Name:	RBP4 / Retinol Binding Protein 4 (RBP4 Products)
Background:	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

Target Details

secretion of the binding protein posttranslationally and results in defective delivery and supply to the epidermal cells.

UniProt: [Q00724](#)

Pathways: [Regulatory RNA Pathways](#), [Positive Regulation of Peptide Hormone Secretion](#), [Carbohydrate Homeostasis](#), [Production of Molecular Mediator of Immune Response](#)

Application Details

Application Notes: Optimal dilution of the RBP4 antibody should be determined by the researcher.\. Western Blot: 0.5-1 µg/mL,IHC (FFPE): 1-2 µg/mL,ELISA (Capture, recombinant mouse protein): 0.1-0.5 µg/mL (BSA-free format available)

Restrictions: For Research Use only

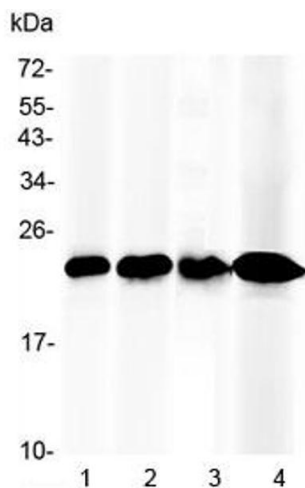
Handling

Buffer: 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

Storage: -20 °C

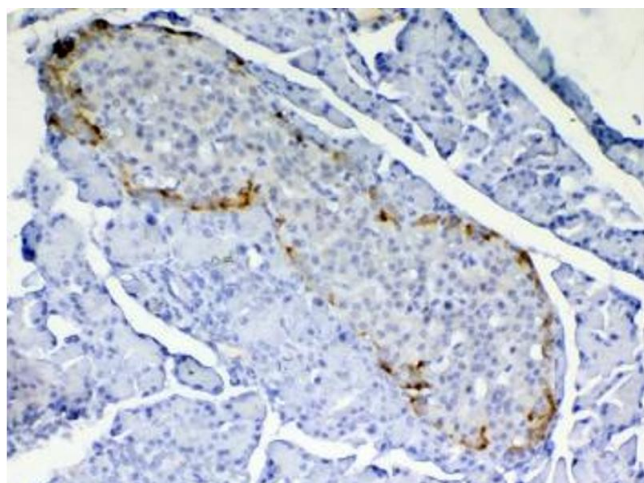
Storage Comment: After reconstitution, the RBP4 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

Images



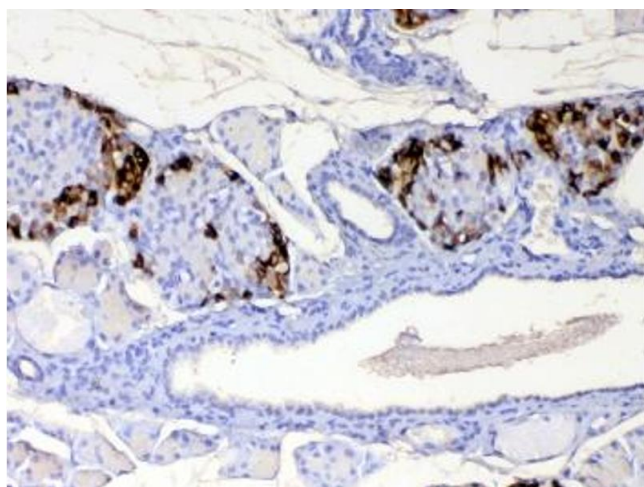
Western Blotting

Image 1. 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.



Immunohistochemistry

Image 2. 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.



Immunohistochemistry

Image 3. 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.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN5647248.