




Product datasheet

Anti-RBP4 antibody ab233138

[1 References](#) [7 Images](#)

Overview

Product name	Anti-RBP4 antibody
Description	Rabbit polyclonal to RBP4
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Mouse, Cow, Human Predicted to work with: Rabbit, Horse, Cat, Pig, Chimpanzee 
Immunogen	Recombinant full length protein (His-tag) corresponding to Human RBP4 aa 1 to the C-terminus. Mature chain. Expressed in E.coli. Database link: P02753
	 Run BLAST with  Run BLAST with
Positive control	WB: Recombinant human RBP4 protein; Human serum; Human liver lysate; Mouse serum; Mouse liver lysate; Cow liver lysate. IHC-P: Human liver tissue.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40 Preservative: 0.011% Proclin 300 Constituents: 55.77% Glycerol (glycerin, glycerine), 44.219% PBS
Purity	Immunogen affinity purified
Purification notes	Antigen-specific affinity chromatography followed by Protein A affinity chromatography.
Clonality	Polyclonal

Isotype

IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab233138 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 0.2 - 2 µg/ml. Predicted molecular weight: 23 kDa.
IHC-P		Use a concentration of 5 - 20 µg/ml.

Target

Function

Delivers retinol from the liver stores to the peripheral tissues. In plasma, the RBP-retinol complex interacts with transthyretin, this prevents its loss by filtration through the kidney glomeruli.

Involvement in disease

Defects in RBP4 are a cause of retinol-binding protein deficiency (RBP deficiency) [MIM:180250]. This condition causes night vision problems. It produces a typical 'fundus xerophthalmicus', featuring a progressed atrophy of the retinal pigment epithelium.

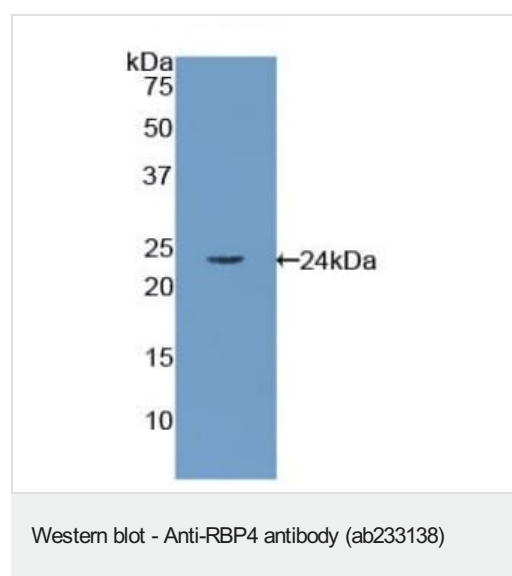
Sequence similarities

Belongs to the calycin superfamily. Lipocalin family.

Cellular localization

Secreted.

Images



Anti-RBP4 antibody (ab233138) at 2 µg/ml + Recombinant human RBP4 protein

Predicted band size: 23 kDa



Western blot - Anti-RBP4 antibody (ab233138)

Anti-RBP4 antibody (ab233138) at 1 μ g/ml + Human serum

Predicted band size: 23 kDa



Western blot - Anti-RBP4 antibody (ab233138)

Anti-RBP4 antibody (ab233138) at 1 μ g/ml + Human liver lysate

Predicted band size: 23 kDa



Western blot - Anti-RBP4 antibody (ab233138)

Anti-RBP4 antibody (ab233138) at 1 μ g/ml + Mouse serum

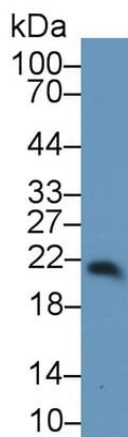
Predicted band size: 23 kDa



Western blot - Anti-RBP4 antibody (ab233138)

Anti-RBP4 antibody (ab233138) at 1 µg/ml + Mouse liver lysate

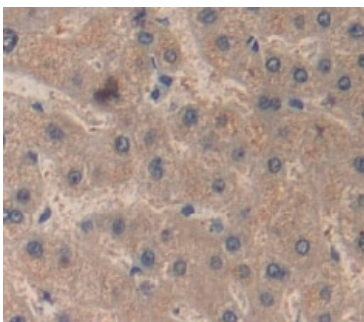
Predicted band size: 23 kDa



Western blot - Anti-RBP4 antibody (ab233138)

Anti-RBP4 antibody (ab233138) at 1 µg/ml + Cow liver lysate

Predicted band size: 23 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RBP4 antibody (ab233138)

Formalin-fixed, paraffin-embedded human liver tissue stained for RBP4 using ab233138 at 20 µg/ml in immunohistochemical analysis. DAB staining.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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