




Product datasheet

Anti-RBP1 antibody ab31106

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Overview

Product name	Anti-RBP1 antibody
Description	Goat polyclonal to RBP1
Host species	Goat
Tested applications	Suitable for: ICC/IF, WB
Species reactivity	Reacts with: Mouse, Human Predicted to work with: Cow 
Immunogen	Synthetic peptide: VEGVVCKQVFCKVQ , corresponding to C terminal amino acids 121-134 of Human PRBPI  Run BLAST with  Run BLAST with
Positive control	NIH 3T3 lysate.
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. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 0.5% Tris buffered saline, 0.5% BSA
Purity	Immunogen affinity purified
Purification notes	Ab31106 underwent ammonium sulphate precipitation prior to antigen affinity chromatography purification.
Clonality	Polyclonal

Isotype

IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab31106 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
ICC/IF		Use a concentration of 10 µg/ml.
WB		Use a concentration of 0.1 - 0.3 µg/ml. Detects a band of approximately 16 kDa (predicted molecular weight: 15 kDa). 1 hour primary incubation is recommended for this product.

Target

Function

Intracellular transport of retinol.

Tissue specificity

Detected in nearly all the tissues with higher expression in adult ovary, pancreas, pituitary gland and adrenal gland, and fetal liver.

Sequence similarities

Belongs to the calycin superfamily. Fatty-acid binding protein (FABP) family.

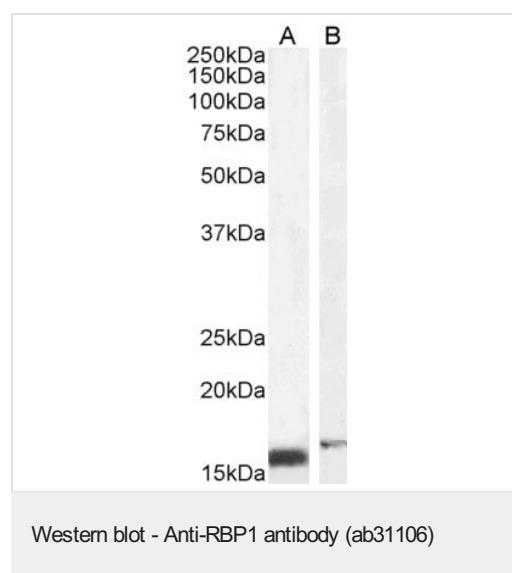
Domain

Forms a beta-barrel structure that accommodates hydrophobic ligands in its interior.

Cellular localization

Cytoplasm.

Images



Lane 1 : Anti-RBP1 antibody (ab31106) at 2 µg/ml

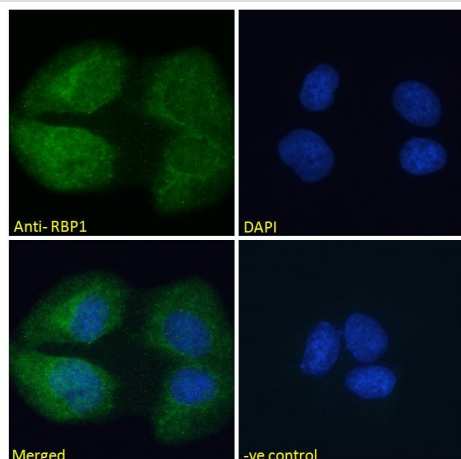
Lane 2 : Anti-RBP1 antibody (ab31106) at 0.5 µg/ml

Lane 1 : NIH3T3 cell lysate

Lane 2 : U251 cell lysate

Lysates/proteins at 35 µg per lane.

Predicted band size: 15 kDa



Immunocytochemistry/ Immunofluorescence - Anti-RBP1 antibody (ab31106)

Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr with ab31106 (10 µg/ml) followed by Alexa Fluor 488 secondary antibody (2 µg/ml). The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10 µg/ml) followed by Alexa Fluor 488 secondary antibody (2 µg/ml).



Western blot - Anti-RBP1 antibody (ab31106)

Anti-RBP1 antibody (ab31106) at 0.1 µg/ml + NIH 3T3 lysate in RIPA buffer at 35 µg

Developed using the ECL technique.

Predicted band size: 15 kDa

Observed band size: 16 kDa

Additional bands at: 18 kDa. We are unsure as to the identity of these extra bands.

Exposure time: 1 hour

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

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