

# Product Datasheet

## Retinol Binding Protein RBP Antibody NBP2-20132

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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**NBP2-20132****Retinol Binding Protein RBP Antibody****Product Information**

<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.025% Proclin 300
<b>Isotype</b>	IgG
<b>Purity</b>	Antigen Affinity-purified
<b>Buffer</b>	PBS (pH 7), 20% Glycerol
<b>Target Molecular Weight</b>	16 kDa

**Product Description**

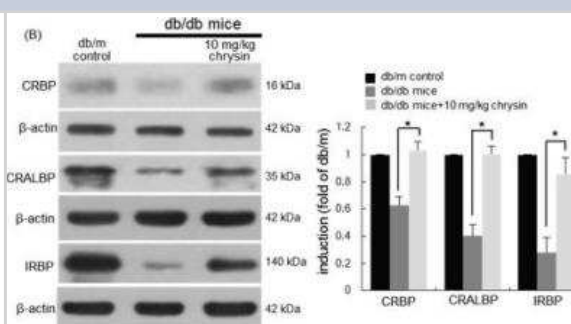
<b>Host</b>	Rabbit
<b>Gene ID</b>	5947
<b>Gene Symbol</b>	RBP1
<b>Species</b>	Human, Mouse
<b>Immunogen</b>	Carrier-protein conjugated synthetic peptide encompassing a sequence within the center region of human Retinol Binding Protein RBP. The exact sequence is proprietary.

**Product Application Details**

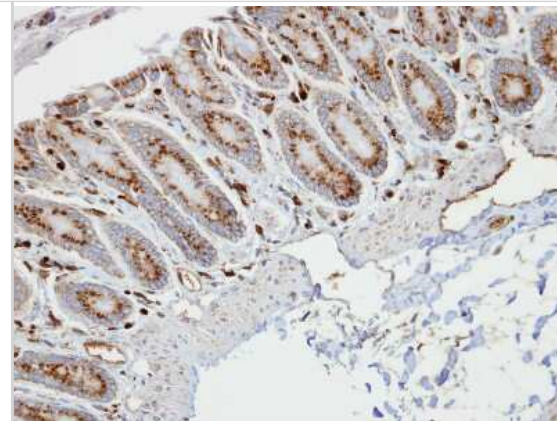
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 1:1000-1:10000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000

**Images**

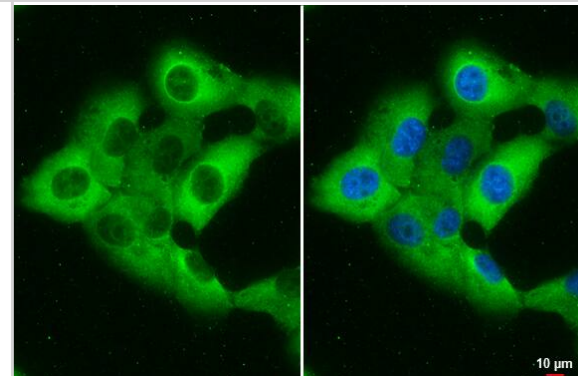
Western Blot: Retinol Binding Protein RBP Antibody [NBP2-20132] - Elevation of retinal tissue induction of visual cycle enzymes stimulated by retinoic acid 6 (STRA6, C) in chrysin-treated mice. The db/db mice were orally supplemented with 10 mg/kg of chrysin daily for 10 weeks. The db/m mice were introduced as control animals. Mouse retinal tissue extracts were subject to Western blot analysis with a primary antibody against each target protein of LRAT, RDH5, cellular retinol binding protein (CRBP), CRALBP, IRBP, or STRA6. beta-actin protein was used as an internal control. Bar graphs (mean  $\pm$  SEM, n = nine independent experiments) in the bottom or right panels represent densitometric results of upper blot bands. \* Values in bar graphs indicate a significant difference at  $p < 0.05$ . Image collected and cropped by CiteAb from the following publication (mdpi.com/2072-6643/10/8/1046), licensed under a CC-BY license



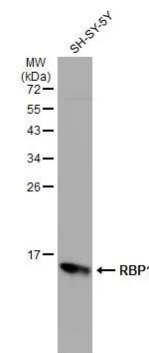
**Immunohistochemistry-Paraffin:** Retinol Binding Protein RBP Antibody [NBP2-20132] - Human colon, at 1:100 dilution. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min



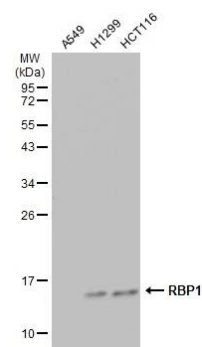
**Immunocytochemistry/ Immunofluorescence:** Retinol Binding Protein RBP Antibody [NBP2-20132] - Retinol Binding Protein RBP antibody detects Retinol Binding Protein RBP protein at cytoplasm by immunofluorescent analysis. Sample: H1299 cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: Retinol Binding Protein RBP stained by Retinol Binding Protein RBP antibody (NBP2-20132) diluted at 1:500. Blue: Fluoroshield with DAPI. Scale bar= 10  $\mu$ m.



**Western Blot:** Retinol Binding Protein RBP Antibody [NBP2-20132] - Whole cell extract (30  $\mu$ g) was separated by 12% SDS-PAGE, and the membrane was blotted with Retinol Binding Protein RBP antibody (NBP2-20132) diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



**Western Blot:** Retinol Binding Protein RBP Antibody [NBP2-20132] - Various whole cell extracts (30  $\mu$ g) were separated by 12% SDS-PAGE, and the membrane was blotted with Retinol Binding Protein RBP antibody (NBP2-20132) diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



## Publications

Kang MK, Lee EJ, Kim YH et al. Chrysin Ameliorates Malfunction of Retinoid Visual Cycle through Blocking Activation of AGE-RAGE-ER Stress in Glucose-Stimulated Retinal Pigment Epithelial Cells and Diabetic Eyes. *Nutrients* 2018-08-08 [PMID: 30096827] (WB, Mouse)



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### **Products Related to NBP2-20132**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP1-72542-50ug	Recombinant Human Retinol Binding Protein RBP His Protein

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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