

**AP53617PU-N****Polyclonal Antibody to Retinol-binding protein 2 / RBP2 (Center)  
- Aff - Purified**

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| <b>Alternate names:</b>  | CRABP-II, CRABPII, CRBP-II, CRBP2, Cellular retinol-binding protein II   |
| <b>Quantity:</b>         | 0.4 ml   |
| <b>Concentration:</b>    | lot specific   |
| <b>Background:</b>       | RBP2 is an abundant protein present in the small intestinal epithelium. It is thought to participate in the uptake and/or intracellular metabolism of vitamin A. Vitamin A is a fat-soluble vitamin necessary for growth, reproduction, differentiation of epithelial tissues, and vision. RBP2 may also modulate the supply of retinoic acid to the nuclei of endometrial cells during the menstrual cycle.   |
| <b>Uniprot ID:</b>       | <a href="#">P50120</a>   |
| <b>NCBI:</b>             | <a href="#">NP_004155</a>  |
| <b>GeneID:</b>           | <a href="#">5948</a>   |
| <b>Host / Isotype:</b>   | Rabbit / Ig  |
| <b>Immunogen:</b>        | KLH conjugated synthetic peptide between 63~92 amino acids from the Central region of Human RBP2.<br><b>Genename:</b> RBP2   |
| <b>Format:</b>           | <b>State:</b> Liquid purified Ig fraction<br><b>Purification:</b> Affinity Chromatography on Protein A<br><b>Buffer System:</b> PBS<br><b>Preservatives:</b> 0.09% Sodium Azide  |
| <b>Applications:</b>     | <b>ELISA:</b> 1/1000.<br><b>Western Blot:</b> 1/100-1/500.<br>Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.   |
| <b>Specificity:</b>      | This antibody recognizes Human Retinol-binding protein 2 / RBP2 (Center).  |
| <b>Add. Information:</b> | <b>Molecular Weight:</b> 15707 Da  |
| <b>Storage:</b>          | Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.<br>Avoid repeated freezing and thawing.<br>Shelf life: one year from despatch.  |
| <b>General Readings:</b> | 1. Zeng, J., et al. Gastroenterology 138(3):981-992 (2010).<br>2. Yamaguchi, N., et al. Am. J. Physiol. Gastrointest. Liver Physiol. 296 (3), G524-G533 (2009).<br>3. Tarter, M., et al. Proteins 70(4):1626-1630(2008)<br>4. Zhang, L., et al. Am. J. Physiol. Gastrointest. Liver Physiol. 282 (6), G1079-G1087 (2002).<br>5. Folli, C., et al. Proc. Natl. Acad. Sci. U.S.A. 98(7):3710-3715 (2001) .<br>6. Herr, F.M., et al. Biochemistry 31(29):6748-6755 (1992) .<br>7. Astrom, A., et al. J. Biol. Chem. 266(26):17662-17666 (1991). |

## Pictures:

Western blot analysis of RBP2 Antibody (Center) Cat.-No AP53617PU-N in 293 cell line lysates (35ug/lane). RBP2 (arrow) was detected using the purified Pab.

