

## Rabbit CRABP1 Polyclonal Antibody | anti-CRABP1 antibody

CRABP1 Antibody (C-term)

| CATALOG # | HOST   | REACTIVITY                                                | APPLICATIONS                              |
|-----------|--------|-----------------------------------------------------------|-------------------------------------------|
| AAA288261 | Rabbit | Human, mouse (Predicted Reactivity: Bovine, Chicken, Rat) | Immunohistochemistry, ELISA, Western Blot |

### PRODUCT SYNONYMS

CRABP1; Polyclonal Antibody; CRABP1 Antibody (C-term); Cellular retinoic acid-binding protein 1; Cellular retinoic acid-binding protein I; CRABP-I; RBP5; anti-CRABP1 antibody

### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                                                                              |
|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                                                                       |
| Reactivity                                       | Human, mouse (Predicted Reactivity: Bovine, Chicken, Rat)                                                                                                                    |
| Clonality                                        | Polyclonal                                                                                                                                                                   |
| Isotype                                          | Rabbit Ig                                                                                                                                                                    |
| Specificity                                      | This CRABP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 90-118 amino acids from the C-terminal region of human CRABP1.      |
| Purity/Purification                              | Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)                                                                                                                   |
| Form/Format                                      | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| Concentration                                    | Vial Concentration: 0.5 (varies by lot)                                                                                                                                      |
| Sequence Positions                               | 90-118                                                                                                                                                                       |
| Sequence Length                                  | 137                                                                                                                                                                          |
| Applicable Applications for anti-CRABP1 antibody | IHC (Immunohistochemistry), ELISA, WB (Western Blot)                                                                                                                         |
| Antigen Type                                     | Synthetic Peptide                                                                                                                                                            |
| Antigen Source                                   | HUMAN                                                                                                                                                                        |
| Preparation and Storage                          | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.                       |

### IMAGES



#### IHC (Immunohistochemistry)

CRABP1 Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human prostate carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the CRABP1 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



#### WB (Western Blot)

CRABP1 Antibody (C-term) western blot analysis in mouse NIH-3T3 cell line lysates (35ug/lane). This demonstrates the CRABP1 antibody detected the CRABP1 protein (arrow).

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CRABP1 antibody | This gene encodes a specific binding protein for a vitamin A family member and is thought to play an important role in retinoic acid-mediated differentiation and proliferation processes. It is structurally similar to the cellular retinol-binding proteins, but binds only retinoic acid at specific sites within the nucleus, which may contribute to vitamin A-directed differentiation in epithelial tissue.                                                                                                                                                                                                  |
| Product Categories/Family for anti-CRABP1 antibody   | Signal Transduction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| References                                           | Tang, X.H., et al. Exp. Cell Res. 314(1):38-51(2008)<br>Uhrig, M., et al. BMC Med 6, 38 (2008) :<br>Guidez, F., et al. Proc. Natl. Acad. Sci. U.S.A. 104(47):18694-18699(2007)<br>Tanaka, K., et al. Oncogene 26(44):6456-6468(2007)<br>Wu, Q., et al. Mol. Cancer 6, 45 (2007) :<br>Flagiello, D., et al. Cytogenet. Cell Genet. 76 (1-2), 17-18 (1997) :<br>Liu, W., et al. Biochem. Biophys. Res. Commun. 229(3):922-929(1996)<br>Eller, M.S., et al. Exp. Cell Res. 198(2):328-336(1992)<br>Astrom, A., et al. J. Biol. Chem. 266(26):17662-17666(1991)<br>Ong, D.E. Arch Dermatol 123 (12), 1693-1695A (1987) : |

NCBI AND UNIPROT INFORMATION

|                                  |                                          |
|----------------------------------|------------------------------------------|
| NCBI GI #                        | 4758052                                  |
| NCBI GeneID                      | 1381                                     |
| NCBI Accession #                 | NP_004369.1                              |
| NCBI GenBank Nucleotide #        | NM_004378.2                              |
| UniProt Accession #              | P29762; Q6IAY7; Q8WTV5                   |
| Molecular Weight                 | 15566                                    |
| NCBI Official Full Name          | cellular retinoic acid-binding protein 1 |
| NCBI Official Synonym Full Names | cellular retinoic acid binding protein 1 |
| NCBI Official Symbol             | CRABP1                                   |
| NCBI Official Synonym Symbols    | RBP5; CRABP; CRABPI; CRABP-I             |
| NCBI Protein Information         | cellular retinoic acid-binding protein 1 |
| UniProt Protein Name             | Cellular retinoic acid-binding protein 1 |
| UniProt Gene Name                | CRABP1                                   |
| UniProt Synonym Gene Names       | RBP5; CRABP-I                            |
| UniProt Entry Name               | RABP1_HUMAN                              |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.