

## Mouse anti-Human CRABP2 Monoclonal Antibody | anti-CRABP2 antibody

Anti-CRABP2 Antibody, Mouse Monoclonal

|                               |                      |                            |                                             |
|-------------------------------|----------------------|----------------------------|---------------------------------------------|
| CATALOG #<br><b>AAA255351</b> | HOST<br><b>Mouse</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunohistochemistry</b> |
|-------------------------------|----------------------|----------------------------|---------------------------------------------|

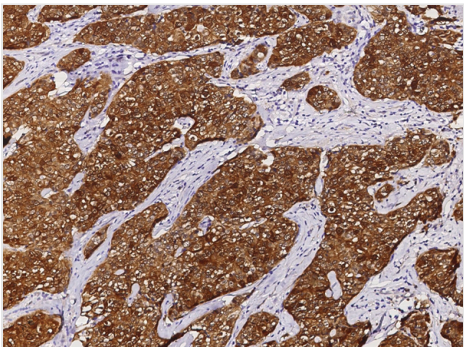
### PRODUCT SYNONYMS

CRABP2; Monoclonal Antibody; Anti-CRABP2 Antibody; Mouse Monoclonal; CRABP2 Antibody; Mouse MAb; cellular retinoic acid binding protein 2; Anti-CRABP-II Antibody; Anti-RBP6 Antibody; anti-CRABP2 antibody

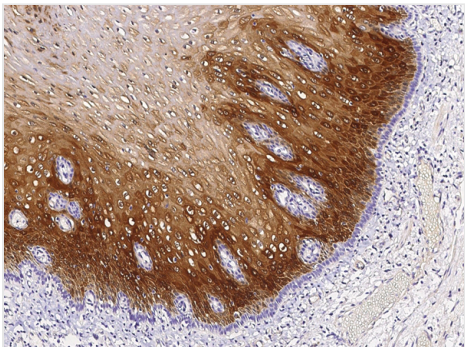
### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                                                                                                                                                                                                |
|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Mouse                                                                                                                                                                                                                                                                                          |
| Reactivity                                       | Human                                                                                                                                                                                                                                                                                          |
| Clonality                                        | Monoclonal                                                                                                                                                                                                                                                                                     |
| Isotype                                          | Mouse IgG1                                                                                                                                                                                                                                                                                     |
| Clone Number                                     | 01                                                                                                                                                                                                                                                                                             |
| Specificity                                      | Human CRABP2                                                                                                                                                                                                                                                                                   |
| Purity/Purification                              | Protein A                                                                                                                                                                                                                                                                                      |
| Form/Format                                      | Liquid; 0.2um filtered solution in PBS                                                                                                                                                                                                                                                         |
| Applicable Applications for anti-CRABP2 antibody | IHC (Immunohistochemistry)                                                                                                                                                                                                                                                                     |
| Immunogen                                        | Recombinant Human CRABP2 protein                                                                                                                                                                                                                                                               |
| Conjugation                                      | Unconjugated                                                                                                                                                                                                                                                                                   |
| Preparation                                      | This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human CRABP2 (rh CRABP2). The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography. |
| Preparation and Storage                          | This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.                          |

IMAGES



IHC (Immunohistochemistry)  
Immunochemical staining of human CRABP2 in human breast carcinoma with mouse monoclonal antibody (1:60, formalin-fixed paraffin embedded sections).



IHC (Immunohistochemistry)  
Immunochemical staining of human CRABP2 in human esophagus with mouse monoclonal antibody (1:60, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CRABP2 antibody | Cellular retinoic acid-binding protein 2, also known as Cellular retinoic acid-binding protein II, CRABP-II and CRABP2, is a protein which belongs to the calycin superfamily and Fatty-acid binding protein (FABP) family. Cellular retinoic acid binding proteins (CRABP) are low molecular weight proteins whose precise function remains unknown. The predicted amino acid sequences of human CRABP1 and CRABP2 demonstrated a 99.3% and 93.5% identity to mouse CRABP1 and CRABP2, respectively. CRABP2 forms a beta-barrel structure that accommodates hydrophobic ligands in its interior. Expression of CRABP2, but not CRABP1 mRNA, was markedly increased (greater than 15-fold) by retinoic acid treatment of fibroblasts cultured from human skin, whereas no significant induction of CRABP2 mRNA was observed in human lung fibroblasts. CRABP2 transports retinoic acid to the nucleus. It regulates the access of retinoic acid to the nuclear retinoic acid receptors. CRABP2 is necessary for elastin induction by All-trans retinoic acid (ATRA) in MRC-5 cells. It is expressed at low levels in emphysema fibroblasts. This alteration in the retinoic acid signalling pathway in lung fibroblasts may contribute to the defect of alveolar repair in human pulmonary emphysema. |
| References                                           | Deak, KL. et al., 2005, Birth Defects Res A Clin Mol Teratol. 73 (11): 868-75. Plantier, L. et al., 2008, Thorax 63 (11): 1012-7. Calmon, M.F. et al., 2009, Neoplasia 11 (12): 1329-39. Welch, I.D. et al., 2009, Arthritis Res Ther 11 (1): R14.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                     |
|----------------------------------|-------------------------------------------------------------------------------------|
| NCBI GI #                        | 4503029                                                                             |
| NCBI GeneID                      | 1382                                                                                |
| NCBI Accession #                 | NP_001869.1                                                                         |
| NCBI GenBank Nucleotide #        | NM_001878.3                                                                         |
| UniProt Accession #              | P29373; Q6ICN6; B2R4Z8; D3DVC5; F1T098                                              |
| Molecular Weight                 | 15,693 Da                                                                           |
| NCBI Official Full Name          | cellular retinoic acid-binding protein 2                                            |
| NCBI Official Synonym Full Names | cellular retinoic acid binding protein 2                                            |
| NCBI Official Symbol             | CRABP2                                                                              |
| NCBI Official Synonym Symbols    | RBP6; CRABP-II                                                                      |
| NCBI Protein Information         | cellular retinoic acid-binding protein 2; cellular retinoic acid-binding protein II |
| UniProt Protein Name             | Cellular retinoic acid-binding protein 2                                            |
| UniProt Gene Name                | CRABP2                                                                              |
| UniProt Synonym Gene Names       | CRABP-II                                                                            |

**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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/crabp2-antibody-clone-01-immunohistochemistry-elisa/255351>