

ARG58345 anti-C4BPA antibody

Package: 100 µl
Store at: -20°C

Summary

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| Product Description | Rabbit Polyclonal antibody recognizes C4BPA |
| Tested Reactivity | Hu, Ms, Rat |
| Tested Application | WB |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Target Name | C4BPA |
| Species | Human |
| Immunogen | Synthetic peptide corresponding to a sequence within aa. 500 to the C-terminus of Human C4BPA (NP_000706.1). |
| Conjugation | Un-conjugated |
| Alternate Names | Proline-rich protein; C4BP; C4b-binding protein alpha chain; PRP; C4bp |

Application Instructions

| Application table | <table> <tr> <th>Application</th><th>Dilution</th></tr> <tr> <td>WB</td><td>1:500 - 1:2000</td></tr> </table> | Application | Dilution | WB | 1:500 - 1:2000 |
|-------------------|--|-------------|----------|----|----------------|
| Application | Dilution | | | | |
| WB | 1:500 - 1:2000 | | | | |
| Application Note | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. | | | | |
| Positive Control | A549 | | | | |
| Observed Size | 67 kDa | | | | |

Properties

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| Form | Liquid |
| Purification | Affinity purified. |
| Buffer | PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol. |
| Preservative | 0.02% Sodium azide |
| Stabilizer | 50% Glycerol |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |
| Note | For laboratory research only, not for drug, diagnostic or other use. |

Bioinformation

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|-----------------------|--|
| Gene Symbol | C4BPA |
| Gene Full Name | complement component 4 binding protein, alpha |
| Background | This gene encodes a member of a superfamily of proteins composed predominantly of tandemly arrayed short consensus repeats of approximately 60 amino acids. Along with a single, unique beta-chain, seven identical alpha-chains encoded by this gene assemble into the predominant isoform of C4b-binding protein, a multimeric protein that controls activation of the complement cascade through the classical pathway. The genes encoding both alpha and beta chains are located adjacent to each other on human chromosome 1 in the regulator of complement activation gene cluster. Two pseudogenes of this gene are also found in the cluster. [provided by RefSeq, Jul 2008] |
| Function | Controls the classical pathway of complement activation. It binds as a cofactor to C3b/C4b inactivator (C3bINA), which then hydrolyzes the complement fragment C4b. It also accelerates the degradation of the C4bC2a complex (C3 convertase) by dissociating the complement fragment C2a. Alpha chain binds C4b. It interacts also with anticoagulant protein S and with serum amyloid P component. [UniProt] |
| Calculated Mw | 67 kDa |
| Cellular Localization | Secreted. [UniProt] |

Images

