

# COMMD9 Rabbit pAb

Catalog # AP96918

## Product Information

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| <b>Application</b>             | WB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Primary Accession</b>       | <a href="#">Q9P000</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Other Accession</b>         | <a href="#">Q9P000</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Host</b>                    | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Clonality</b>               | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Calculated MW</b>           | 21819                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Physical State</b>          | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Immunogen</b>               | KLH conjugated synthetic peptide derived from human COMMD9                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Epitope Specificity</b>     | 11-100/198                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Isotype</b>                 | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Purity</b>                  | affinity purified by Protein A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Buffer</b>                  | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>SIMILARITY</b>              | Contains 1 COMM domain.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Important Note</b>          | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Background Descriptions</b> | COMMD9 (COMM domain containing 9) is a 198 amino acid ubiquitously expressed protein that contains one COMM domain and may be involved in signaling events throughout the cell. The gene encoding COMMD9 maps to human chromosome 11, which houses over 1,400 genes and comprises nearly 4% of the human genome. Jervell and Lange-Nielsen syndrome, Jacobsen syndrome, Niemann-Pick disease, hereditary angioedema and Smith-Lemli-Opitz syndrome are associated with defects in genes that maps to chromosome 11. |

## Additional Information

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| <b>Gene ID</b>     | 29099                                                                                                                                                                                           |
| <b>Other Names</b> | C11orf55; HSPC166; LINC00610; COMD9_HUMAN; COMMD9; COMM domain containing 9                                                                                                                     |
| <b>Dilution</b>    | WB=1:500-2000                                                                                                                                                                                   |
| <b>Storage</b>     | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |

## Protein Information

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| <b>Name</b> | COMMD9 |
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| <b>Function</b>          | Scaffold protein in the commander complex that is essential for endosomal recycling of transmembrane cargos; the commander complex is composed of the CCC subcomplex and the retriever subcomplex (PubMed: <a href="#">37172566</a> , PubMed: <a href="#">38459129</a> ). May modulate activity of cullin- RING E3 ubiquitin ligase (CRL) complexes (PubMed: <a href="#">21778237</a> ). May down- regulate activation of NF-kappa-B (PubMed: <a href="#">15799966</a> ). Modulates Na(+) transport in epithelial cells by regulation of apical cell surface expression of amiloride-sensitive sodium channel (ENaC) subunits (PubMed: <a href="#">23637203</a> ). |
| <b>Cellular Location</b> | Nucleus. Cytoplasmic vesicle                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Tissue Location</b>   | Ubiquitous..                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

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