

## Rabbit anti-Human, Mouse CHCHD3 Polyclonal Antibody | anti-CHCHD3 antibody

Rabbit anti-CHCHD3 Antibody, Affinity Purified

| CATALOG # | HOST   | REACTIVITY   | APPLICATIONS                      |
|-----------|--------|--------------|-----------------------------------|
| AAA213288 | Rabbit | Human, Mouse | Immunoprecipitation, Western Blot |

### PRODUCT SYNONYMS

CHCHD3; Polyclonal Antibody; Rabbit anti-CHCHD3 Antibody; Affinity Purified; MICOS complex subunit MIC19; protein phosphatase 1; regulatory subunit 22; PPP1R22; MINOS3; Mic19; coiled-coil-helix-coiled-coil-helix domain-containing protein 3; mitochondrial; Coiled-coil-helix-coiled-coil-helix domain-containing protein 3; mitochondrial inner membrane organizing system 3; coiled-coil-helix-coiled-coil-helix domain containing 3; anti-CHCHD3 antibody

### PRODUCT SPECIFICATIONS

|                                                  |                                                                                           |
|--------------------------------------------------|-------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                    |
| Reactivity                                       | Human, Mouse                                                                              |
| Clonality                                        | Polyclonal                                                                                |
| Purity/Purification                              | Antigen Affinity Purified                                                                 |
| Form/Format                                      | Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide |
| Concentration                                    | 1000ug/ml (varies by lot)                                                                 |
| Applicable Applications for anti-CHCHD3 antibody | IP (Immunoprecipitation), WB (Western Blot)                                               |
| Immunogen                                        | Between 177 and C-terminus                                                                |
| Conjugation                                      | Unconjugated                                                                              |
| Preparation and Storage                          | Store at 2-8 degree C<br>Shelf Life: 1 year from date of receipt                          |

### IMAGES



#### WB (Western Blot)

Detection of human and mouse CHCHD3 by western blot. Samples: Whole cell lysate (50 ug) from HeLa, HEK293T, Jurkat, mouse TCMK-1, and mouse NIH 3T3 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-CHCHD3 antibody AAA213288 (lot AAA213288-1) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



#### IP (Immunoprecipitation)

Detection of human CHCHD3 by western blot of immunoprecipitates. Samples: Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from Jurkat cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-CHCHD3 antibody AAA213288 (lot AAA213288-1) used for IP at 6 ug per reaction. CHCHD3 was also immunoprecipitated by rabbit anti-CHCHD3 antibody BL21538. For blotting immunoprecipitated CHCHD3, AAA213288 was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.

### ADDITIONAL INFORMATION

#### Related Product Information for anti-CHCHD3 antibody

CCoiled-coil-helix-coiled-coil-helix domain-containing protein 3 (CHCHD3) is an inner mitochondrial membrane scaffold protein. Absence of CHCHD3 affects the structural integrity of mitochondrial cristae and leads to reductions in ATP production, cell growth, and oxygen consumption. CHCHD3 is part of the mitochondrial contact site and cristae organizing system (MICOS) [taken from NCBI Entrez Gene (Gene ID: 54927)].

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                             |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 8923390                                                                                                                                                                                                     |
| NCBI GeneID                      | 54927                                                                                                                                                                                                       |
| NCBI Accession #                 | NP_060282.1                                                                                                                                                                                                 |
| NCBI GenBank Nucleotide #        | NM_017812.2                                                                                                                                                                                                 |
| UniProt Accession #              | Q9NX63                                                                                                                                                                                                      |
| Molecular Weight                 | 26,152 Da                                                                                                                                                                                                   |
| NCBI Official Full Name          | MICOS complex subunit MIC19                                                                                                                                                                                 |
| NCBI Official Synonym Full Names | coiled-coil-helix-coiled-coil-helix domain containing 3                                                                                                                                                     |
| NCBI Official Symbol             | CHCHD3                                                                                                                                                                                                      |
| NCBI Official Synonym Symbols    | MINOS3; PPP1R22                                                                                                                                                                                             |
| NCBI Protein Information         | MICOS complex subunit MIC19; coiled-coil-helix-coiled-coil-helix domain-containing protein 3, mitochondrial; mitochondrial inner membrane organizing system 3; protein phosphatase 1, regulatory subunit 22 |
| UniProt Protein Name             | MICOS complex subunit MIC19                                                                                                                                                                                 |
| UniProt Gene Name                | <b>CHCHD3</b>                                                                                                                                                                                               |
| UniProt Synonym Gene Names       | MIC19; MINOS3                                                                                                                                                                                               |
| UniProt Entry Name               | MIC19_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/chchd3-antibody-immunoprecipitation-western-blot-elisa/213288>