

## Mouse anti-Human, Mouse RCC1 Monoclonal Antibody | anti-RCC1 antibody

RCC1 Antibody

|                               |                      |                                   |                                            |
|-------------------------------|----------------------|-----------------------------------|--------------------------------------------|
| CATALOG #<br><b>AAA290835</b> | HOST<br><b>Mouse</b> | REACTIVITY<br><b>Human, Mouse</b> | APPLICATIONS<br><b>ELISA, Western Blot</b> |
|-------------------------------|----------------------|-----------------------------------|--------------------------------------------|

### PRODUCT SYNONYMS

RCC1; Monoclonal Antibody; RCC1 Antibody; Regulator of chromosome condensation; Cell cycle regulatory protein; Chromosome condensation protein 1; CHC1; anti-RCC1 antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                     |
|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Mouse                                                                                                                                                               |
| Reactivity                                     | Human, Mouse                                                                                                                                                        |
| Clonality                                      | Monoclonal                                                                                                                                                          |
| Isotype                                        | IgG1,k                                                                                                                                                              |
| Clone Number                                   | 332CT2.1.1                                                                                                                                                          |
| Specificity                                    | This RCC1 monoclonal antibody is generated from mouse immunized with RCC1 recombinant protein.                                                                      |
| Form/Format                                    | Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS. |
| Sequence Length                                | 452                                                                                                                                                                 |
| Applicable Applications for anti-RCC1 antibody | ELISA, WB (Western Blot)                                                                                                                                            |
| Antigen Type                                   | Recombinant Protein                                                                                                                                                 |
| Antigen Source                                 | Human                                                                                                                                                               |
| Cellular Location                              | Nucleus. Cytoplasm. Note=Becomes dispersed throughout the cytoplasm during mitosis                                                                                  |
| Preparation and Storage                        | Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.               |

### IMAGES



#### WB (Western Blot)

RCC1 Antibody western blot analysis in HL-60 cell line lysates (35µg/lane). This demonstrates the RCC1 antibody detected the RCC1 protein (arrow).



#### WB (Western Blot)

All lanes : Anti-RCC1 Antibody at 1:2000-1:4000 dilution  
Lane 1: Hela whole cell lysate  
Lane 2: HL-60 whole cell lysate  
Lane 3: COS-7 whole cell lysate  
Lane 4: C2C12 whole cell lysate  
Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 45 kDa  
Blocking/Dilution buffer: 5% NFD/TBST.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-RCC1 antibody | Guanine-nucleotide releasing factor that promotes the exchange of Ran-bound GDP by GTP. Involved in the regulation of onset of chromosome condensation in the S phase. Binds both to the nucleosomes and double-stranded DNA. RCC1-Ran complex (together with other proteins) acts as a component of a signal transmission pathway that detects unreplicated DNA. Plays a key role in nucleo-cytoplasmic transport, mitosis and nuclear-envelope assembly. |
| Product Categories/Family for anti-RCC1 antibody   | Primary Antibodies; Cell Biology                                                                                                                                                                                                                                                                                                                                                                                                                           |
| References                                         | Tooley, C.E., et al. Nature 466 (7310):1125-1128 (2010). England, J.R., et al. J. Mol. Biol. 398 (4):518-529 (2010). Wong, C.H., et al. Nat. Cell Biol. 11 (1):36-45 (2009). Ho, C.Y., et al. J. Cell. Biochem. 105 (3):835-846 (2008). Hao, Y., et al. J. Cell Biol. 182 (5):827-836 (2008).                                                                                                                                                              |

NCBI AND UNIPROT INFORMATION

|                                  |                                                             |
|----------------------------------|-------------------------------------------------------------|
| NCBI GI #                        | 114796644                                                   |
| NCBI GeneID                      | 1104                                                        |
| NCBI Accession #                 | NP_001041659.1; NP_001041660.1; NP_001041664.1; NP_001260.1 |
| NCBI GenBank Nucleotide #        | NM_001048194.2                                              |
| UniProt Accession #              | P18754; Q16269; Q6NT97                                      |
| Molecular Weight                 | 44969 Da                                                    |
| NCBI Official Full Name          | regulator of chromosome condensation isoform a              |
| NCBI Official Synonym Full Names | regulator of chromosome condensation 1                      |
| NCBI Official Symbol             | RCC1                                                        |
| NCBI Official Synonym Symbols    | CHC1; RCC1-I; SNHG3-RCC1                                    |
| NCBI Protein Information         | regulator of chromosome condensation                        |
| UniProt Protein Name             | Regulator of chromosome condensation                        |
| UniProt Gene Name                | RCC1                                                        |
| UniProt Synonym Gene Names       | CHC1                                                        |

**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/rcc1-antibody-clone-332ct2-1-1-western-blot-elisa/290835>