

**RCC1 Rabbit mAb**  
Catalog # AP78331**Specification**

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**RCC1 Rabbit mAb - Product Information**

Application	<b>WB</b>
Primary Accession	<a href="#">P18754</a>
Reactivity	<b>Human, Mouse, Rat</b>
Host	<b>Rabbit</b>
Clonality	<b>Monoclonal Antibody</b>
Calculated MW	<b>44969</b>

**RCC1 Rabbit mAb - Additional Information****Gene ID** 1104**Other Names**

RCC1

**Dilution**

WB~~1/500-1/1000

**Format**

Liquid

**RCC1 Rabbit mAb - Protein Information****Name** RCC1**Synonyms** CHC1**Function**

Guanine-nucleotide releasing factor that promotes the exchange of Ran-bound GDP by GTP, and thereby plays an important role in RAN-mediated functions in nuclear import and mitosis (PubMed: [11336674](http://www.uniprot.org/citations/11336674), PubMed: [17435751](http://www.uniprot.org/citations/17435751), PubMed: [1944575](http://www.uniprot.org/citations/1944575), PubMed: [20668449](http://www.uniprot.org/citations/20668449), PubMed: [22215983](http://www.uniprot.org/citations/22215983), PubMed: [29042532](http://www.uniprot.org/citations/29042532)). Contributes to the generation of high levels of chromosome-associated, GTP-bound RAN, which is important for mitotic spindle assembly and normal progress through mitosis (PubMed: [12194828](http://www.uniprot.org/citations/12194828), PubMed: [17435751](http://www.uniprot.org/citations/17435751), PubMed: [22215983](http://www.uniprot.org/citations/22215983)). Via its role in maintaining high levels of GTP-bound RAN in the nucleus, contributes to the release of cargo proteins from importins after nuclear import (PubMed: [22215983](http://www.uniprot.org/citations/22215983)). Involved in

the regulation of onset of chromosome condensation in the S phase (PubMed:<a href="http://www.uniprot.org/citations/3678831" target="\_blank">3678831</a>). Binds both to the nucleosomes and double-stranded DNA (PubMed:<a href="http://www.uniprot.org/citations/17435751" target="\_blank">17435751</a>, PubMed:<a href="http://www.uniprot.org/citations/18762580" target="\_blank">18762580</a>).

#### Cellular Location

Nucleus. Chromosome. Cytoplasm Note=Predominantly nuclear in interphase cells (PubMed:12194828). Binds to mitotic chromosomes (PubMed:12194828, PubMed:17435751, PubMed:20668449).

#### RCC1 Rabbit mAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### RCC1 Rabbit mAb - Images

