

**RCC1 Polyclonal Antibody**  
Catalog # AP73997**Specification**

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**RCC1 Polyclonal Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P18754</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal

**RCC1 Polyclonal Antibody - Additional Information****Gene ID** 1104**Other Names**  
RCC1 CHC1**Dilution**  
WB~~WB 1:500-2000, ELISA 1:10000-20000**Format**  
Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.**Storage Conditions**  
-20°C**RCC1 Polyclonal Antibody - 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)). 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:

<http://www.uniprot.org/citations/22215983> target="\_blank">22215983</a>). 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

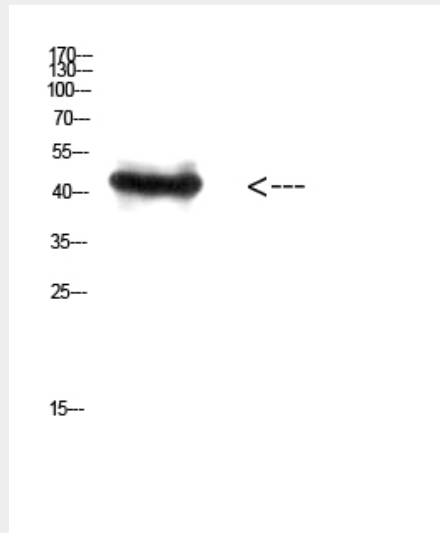
Nucleus. Chromosome. Cytoplasm Note=Predominantly nuclear in interphase cells (PubMed:12194828). Binds to mitotic chromosomes (PubMed:12194828, PubMed:17435751, PubMed:20668449).

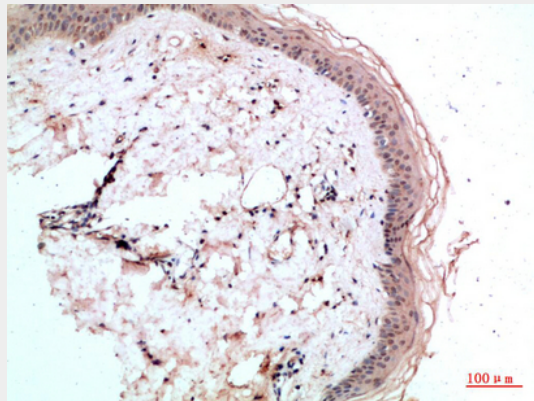
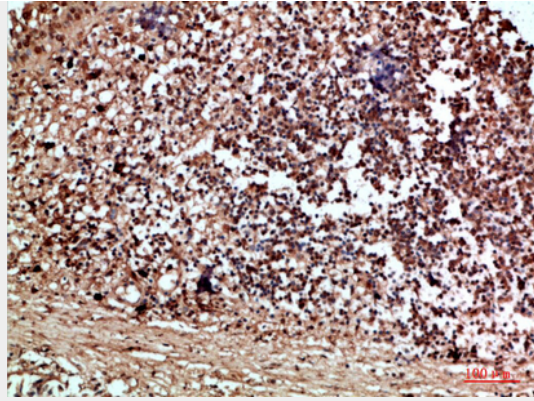
#### RCC1 Polyclonal Antibody - Protocols

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 Polyclonal Antibody - Images





### **RCC1 Polyclonal Antibody - Background**

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:1944575, PubMed:17435751, PubMed:20668449, PubMed:22215983, PubMed:11336674). 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, PubMed:17435751, PubMed: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). Involved in the regulation of onset of chromosome condensation in the S phase (PubMed:3678831). Binds both to the nucleosomes and double-stranded DNA (PubMed:17435751, PubMed:18762580).