

# RCC1 Polyclonal Antibody

Catalog # AP73997

## Product Information

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

## Additional Information

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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

## Protein Information

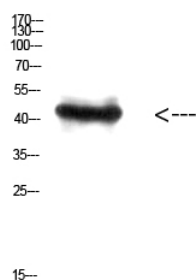
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Name	RCC1
Synonyms	CHC1
Function	<p>Guanine-nucleotide releasing factor that promotes the exchange of Ran-bound GDP by GTP, and thereby plays an important role in RAN-mediated functions in nuclear import and mitosis (PubMed:<a href="#">11336674</a>, PubMed:<a href="#">17435751</a>, PubMed:<a href="#">1944575</a>, PubMed:<a href="#">20668449</a>, PubMed:<a href="#">22215983</a>, PubMed:<a href="#">29042532</a>). 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:<a href="#">12194828</a>, PubMed:<a href="#">17435751</a>, PubMed:<a href="#">22215983</a>). 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:<a href="#">22215983</a>). Involved in the regulation of onset of chromosome condensation in the S phase (PubMed:<a href="#">3678831</a>). Binds both to the nucleosomes and double-stranded DNA (PubMed:<a href="#">17435751</a>, PubMed:<a href="#">18762580</a>).</p>
Cellular Location	<p>Nucleus. Chromosome. Cytoplasm Note=Predominantly nuclear in interphase cells (PubMed:12194828). Binds to mitotic chromosomes (PubMed:12194828, PubMed:17435751, PubMed:20668449).</p>

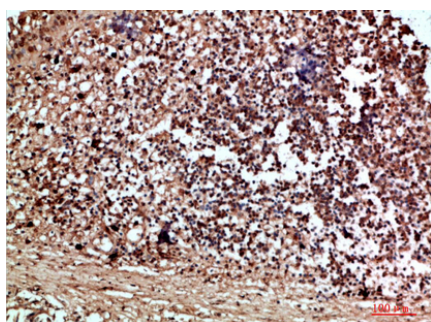
## Background

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](#)).

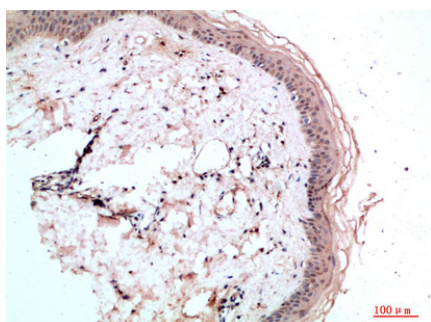
## Images



Western Blot analysis of HEPG2 cells using Antibody diluted at 800. Secondary antibody was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded human-thyroid, antibody was diluted at 1:200



Immunohistochemical analysis of paraffin-embedded human-skin, antibody was diluted at 1:200

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.