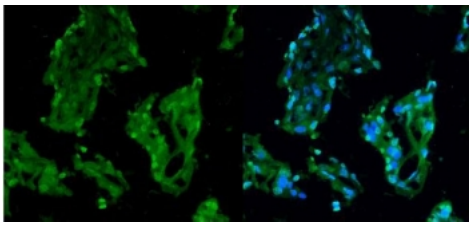
RCC1 Antibody / Regulator of Chromosome Condensation (RQ5918)

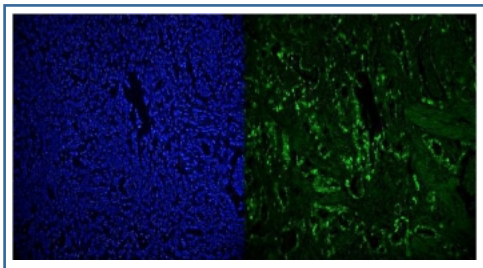
Catalog No.	Formulation	Size
RQ5918	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

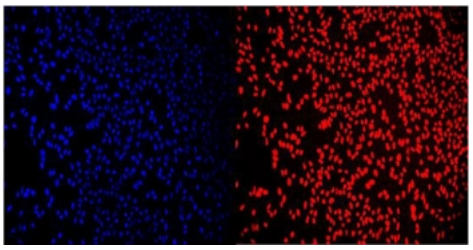
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P18754
Localization	Nuclear, cytoplasmic
Applications	0.5-1ug/ml1-2ug/ml2-4ug/ml2-4ug/ml1-3ug/million cells0.1-0.5ug/ml
Limitations	This RCC1 antibody is available for research use only.



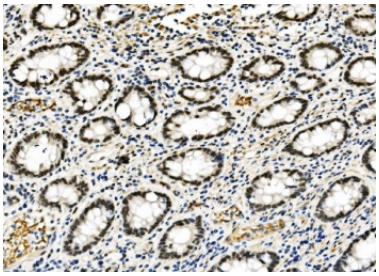
Immunofluorescent staining of frozen human placenta with RCC1 antibody (green) and DAPI (blue).



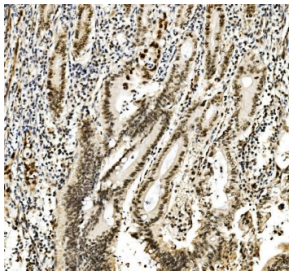
Immunofluorescent staining of FFPE human intestinal cancer with RCC1 antibody (green) and DAPI (blue).



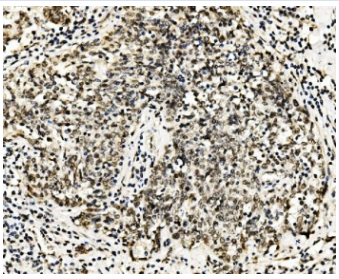
Immunofluorescent staining of FFPE human HeLa cells with RCC1 antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



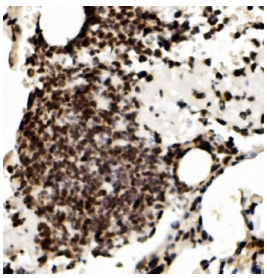
IHC staining of FFPE human rectal cancer with RCC1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



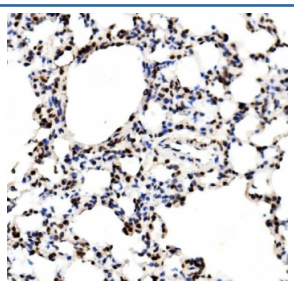
IHC staining of FFPE human rectal cancer with RCC1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



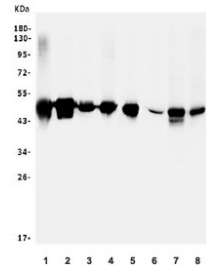
IHC staining of FFPE human lung cancer with RCC1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



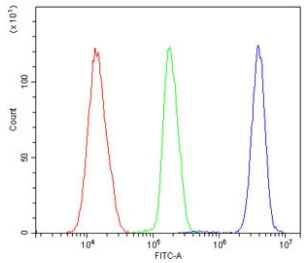
IHC staining of FFPE mouse lung with RCC1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE rat lung with RCC1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of human 1) HEK293, 2) A431, 3) HepG2, 4) Raji, 5) ThP-1, 6) rat brain, 7) mouse Neuro-2a and 8) mouse NIH 3T3 lysate with RCC1 antibody. Predicted molecular weight ~45 kDa.



Flow cytometry testing of human K562 cells with RCC1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= RCC1 antibody.

Description

CHC1, also named as RCC1, SNHG3-RCC1, promotes the exchange of ran-bound gdp by gtp. It is involved in the regulation of onset of chromosome condensation in the S-phase. Phosphorylation of RCC1 on serines located in or near its nuclear localization signal activates RCC1 to generate RanGTP on mitotic chromosomes, which is required for spindle assembly and chromosome segregation. This antibody is a rabbit polyclonal antibody raised against residues near the C terminus of human RCC1. The geneID has updated as 1104 recently.

Application Notes

Optimal dilution of the RCC1 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids A14-S421) was used as the immunogen for the RCC1 antibody.

Storage

After reconstitution, the RCC1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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