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## Datasheet for ABIN745163 **anti-RCC1 antibody (pSer11)**

### Overview

Quantity:	100 µL
Target:	RCC1
Binding Specificity:	pSer11
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RCC1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

### Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human RCC1 around the phosphorylation site of Ser11
Isotype:	IgG
Cross-Reactivity:	Human
Predicted Reactivity:	Mouse,Rat,Dog,Cow,Sheep,Pig,Horse
Purification:	Purified by Protein A.

### Target Details

Target:	RCC1
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## Target Details

Alternative Name: RCC1 ([RCC1 Products](#))

Background: Synonyms: Cell cycle regulatory protein, CHC 1, CHC1, Chromosome condensation 1, Chromosome condensation protein 1, Guanine nucleotide releasing protein, HERC2, Ran GEF, RanGEF, RCC 1, RCC1 I, Regulator of chromosome condensation 1, Regulator of chromosome condensation, SHEP1, RCC1\_HUMAN.

Background: Ran GTPase plays important roles in nucleocytoplasmic transport in interphase and in both spindle formation and nuclear envelope (NE) assembly during mitosis. The latter functions rely on the presence of high local concentrations of GTP bound Ran near mitotic chromatin. RanGTP localization has been proposed to result from the association of Ran's GDP/GTP exchange factor, RCC1, with chromatin, but Ran is shown here to bind directly to chromatin in two modes, either dependent or independent of RCC1, and, where bound, to increase the affinity of chromatin for NE membranes.

Gene ID: 1104

Pathways: [Chromatin Binding](#), [Protein targeting to Nucleus](#)

## Application Details

Application Notes: WB 1:300-5000  
ELISA 1:500-1000  
IHC-P 1:200-400  
IHC-F 1:100-500  
IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

## Handling

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Storage:	4 °C,-20 °C
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Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
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Expiry Date:	12 months
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