
Product Name: KD-Validated Regulator Of Chromosome Condensation 1 Recombinant Rabbit Monoclonal Antibody

Catalog #: KVA01309

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 45.0kDa

Antigen Information

Gene Name	RCC1 RCC1; Regulator Of Chromosome Condensation 1; CHC1; Regulator Of Chromosome
Alternative Names	Condensation; Cell Cycle Regulatory Protein; Guanine Nucleotide-Releasing Protein; Chromosome Condensation Protein 1; Chromosome Condensation 1; RCC1-I
Gene ID	1104.0
SwissProt ID	P18754
Immunogen	A synthesized peptide derived from human RCC1

Background

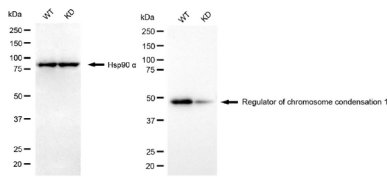
Enables several functions, including guanyl-nucleotide exchange factor activity; nucleosomal DNA binding activity; and protein

heterodimerization activity. Involved in G1/S transition of mitotic cell cycle; regulation of mitotic nuclear division; and spindle organization. Located in chromatin; cytoplasm; and nuclear lumen. Part of protein-containing complex. [provided by Alliance of Genome Resources, Apr 2025]

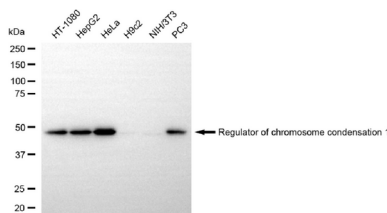
Research Area

Cell Biology

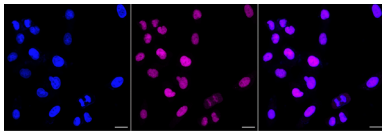
Image Data



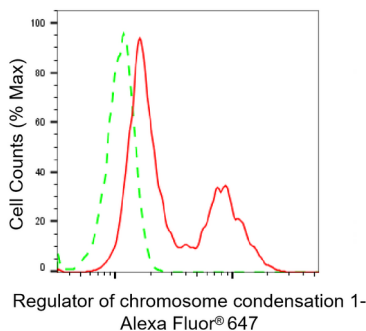
Western blotting analysis using regulator of chromosome condensation 1 antibody (KVA01309). Regulator of chromosome condensation 1 expression in wild type (WT) and regulator of chromosome condensation 1 (RCC1) knockdown (KD) HSHC cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with regulator of chromosome condensation 1 antibody (KVA01309, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using regulator of chromosome condensation 1 antibody (KVA01309). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with regulator of chromosome condensation 1 antibody (KVA01309, 1:5,000) and HRP-conjugated goat anti rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with Regulator of chromosome condensation 1 antibody (KVA01309, 1:1,000). Nuclei were stained blue with DAPI; Regulator of chromosome condensation 1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: High. Scale bar, 20 µm.



Flow cytometric analysis of Regulator of chromosome condensation 1 expression in HepG2 cells using Regulator of chromosome condensation 1 antibody (KVA01309, 1:2,000). Green, isotype control; red, Regulator of chromosome condensation 1.