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## CDCA2 Rabbit pAb

Catalog Number: bs-7786R

Target Protein: CDCA2

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)

Reactivity: Human, Mouse (predicted:Rat, Rabbit, Pig, Dog, Horse)

Predicted MW: 113 kDa

Subcellular: Cell membrane ,Nucleus

Locations:

Entrez Gene: 157313

Swiss Prot: Q69YH5

Source: KLH conjugated synthetic peptide derived from human CDCA2: 361-450/1023.

Purification: affinity purified by Protein A

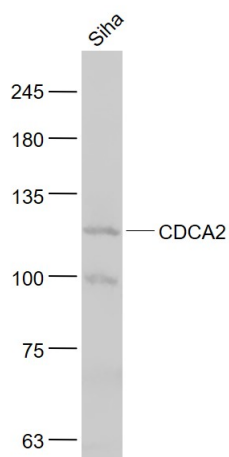
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

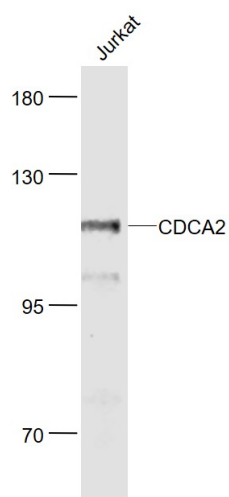
**Background:** CDCA2 is a regulator of chromosome structure during mitosis. CDCA2 forms an essential complex with protein phosphatase PP1-gamma subunit 1 (PPP1CC) and is required for the recruitment of PP1 to chromatin. Knockdown of CDCA2 by RNAi causes large-scale cell death by apoptosis, as does overexpression of a dominant-negative mutant of the protein.

### VALIDATION IMAGES

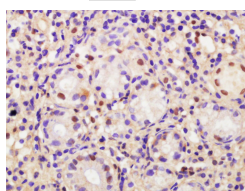
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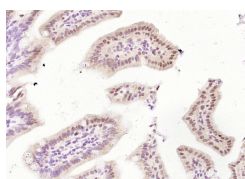
Sample: SiHa(Human) Cell Lysate at 30 ug Primary: Anti- CDCA2 (bs-7786R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 113 kD Observed band size: 113 kD



Sample: Jurkat(Human) Cell Lysate at 30 ug Primary: Anti- CDCA2 (bs-7786R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 113 kD Observed band size: 113 kD



Tissue/cell: human gastric carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-CDCA2 Polyclonal Antibody, Unconjugated(bs-7786R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



araformaldehyde-fixed, paraffin embedded (mouse intestine); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CDCA2) Polyclonal Antibody, Unconjugated (bs-7786R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.