

bs-5148R**[Primary Antibody]****Cdc7 Rabbit pAb****BioSS**
ANTIBODIES

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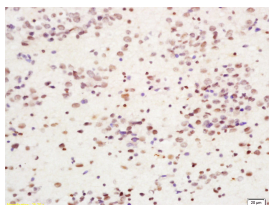
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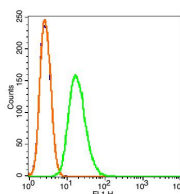
400-901-9800

— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Flow-Cyt (1µg/Test)
Clonality: Polyclonal		Reactivity: Human (predicted: Mouse, Rat, Pig, Cow, Dog, Horse)
GeneID: 8317	SWISS: O00311	
Target: Cdc7		
Immunogen: KLH conjugated synthetic peptide derived from human Cdc7: 151-250/574.		
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		Predicted MW.: 64 kDa
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.		Subcellular Location: Nucleus
Background: DNA replication in eukaryotic cells is dependent on the phosphorylation of the pre-replicative complex (preRC) at the origin of replication. Two complexes of proteins mediate this event, the cyclin dependent kinase (CDK) complex, and the Cdc7 kinase-ASK complex. The activity of Cdc7 kinase oscillates during cell cycle. The major targets of Cdc7 kinase are proteins that belong to the MCM complex (mini chromosome maintenance proteins). Cdc7 kinase was also found to be important in meiosis, checkpoint responses, maintenance of chromosome structure, and repair.		

— VALIDATION IMAGES —

Tissue/cell: human glioma tissue; 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-Cdc7 Polyclonal Antibody, Unconjugated(bs-5148R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Blank control(blue): 293T(fixed with 2% paraformaldehyde (10 min)). Primary Antibody: Rabbit Anti-Cdc7/FITC Conjugated antibody (bs-5148R /FITC), Dilution: 1µg in 100 µL 1X PBS containing 0.5% BSA; Isotype Control Antibody: Rabbit IgG/FITC(orange), used under the same conditions.

— SELECTED CITATIONS —

- **[IF=2.8]** Rawda Elsherbiny. et al. Evaluation of cell proliferation marker CDC-7 in salivary adenoid cystic carcinoma. PATHOL RES PRACT. 2024 Jan;253:155098 IHC ;Human. 38183819