

bs-7734R**[Primary Antibody]****CAPD3 Rabbit pAb****Bioss**
ANTIBODIES

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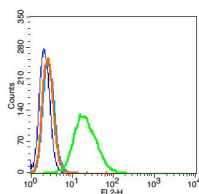
sales@bioss.com.cn

techsupport@bioss.com.cn

400-901-9800

DATASHEET

Host: Rabbit	Isotype: IgG	Applications: Flow-Cyt (1µg/Test)
Clonality: Polyclonal		Reactivity: Rat (predicted: Human, Mouse, Dog, Horse)
GeneID: 23310	SWISS: P42695	
Target: CAPD3		Predicted MW.: 169 kDa
Immunogen: KLH conjugated synthetic peptide derived from human CAPD3/hCAP-D3: 651-760/1498.		Subcellular Location: Nucleus
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		
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: Condensin complexes I and II play essential roles in mitotic chromosome assembly and segregation. Condensins contain 2 invariant structural maintenance of chromosome (SMC) subunits, SMC2 and SMC4. hCAP-D3 is a regulatory non-SMC subunit of the condensin II complex.		

VALIDATION IMAGES

Blank control:RSC96 (fixed with 2% paraformaldehyde (10 min) , then permeabilized with 90% ice-cold methanol for 30 min on ice).
Primary Antibody:Rabbit Anti- CAPD3 antibody(bs-7734R), Dilution: 1µg in 100 µL 1X PBS containing 0.5% BSA; Isotype Control Antibody: Rabbit IgG(orange) ,used under the same conditions); Secondary Antibody: Goat anti-rabbit IgG-PE(white blue), Dilution: 1:200 in 1 X PBS containing 0.5% BSA.

SELECTED CITATIONS

- **[IF=6]** Chang Zhibo. et al. NCAPD3 contributes to lung cancer progression through modulated lactate-induced histone lactylation and MEK/ERK/LDHA axis. CANCER CELL INT. 2025 Dec;25(1):1-13 IHC ;Mouse. 40410796