

bs-9759R**[Primary Antibody]****BRD4/CAP Rabbit pAb****Bioss**
ANTIBODIES

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— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: ELISA (1:5000-10000)
Clonality: Polyclonal		Reactivity: (predicted: Human, Mouse, Rat, Rabbit, Pig, Cow, Chicken, Dog, Horse)
GeneID: 23476	SWISS: O60885	
Target: BRD4/CAP		Predicted MW.: 152 kDa
Immunogen: KLH conjugated synthetic peptide derived from human Brd4/CAP: 65-160/1362.		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: Brd4 belongs to the BET family, a group of structurally related proteins containing two bromodomains. Through these two domains, Brd4 associates with mitotic chromosomes and its expression correlates with cell growth. Expression of Brd4 inhibits cell cycle progression from G(1) to S, due to binding to the largest subunit of replication factor C (RFC) to prevent DNA elongation. Altered Brd4 function correlates with poorly differentiated carcinoma, with aggressive phenotype and a highly lethal outcome.		

— SELECTED CITATIONS —

- **[IF=7.3]** Zhijie Wang. et al. Discovery of a Bromodomain and Extra Terminal Domain (BET) Inhibitor with the Selectivity for the Second Bromodomain (BD2) and the Capacity for the Treatment of Inflammatory Diseases. J MED CHEM. 2023;XXXX(XXX):XXX-XXX WB ;Mouse. 37478496
- **[IF=4.858]** Kun Hao. et al. Targeting BRD4 prevents acute gouty arthritis by regulating pyroptosis. Int J Biol Sci. 2020; 16(16): 3163–3173 WB ;Rat, Human. 33162822