

bs-5996R**[Primary Antibody]****CDC4 Rabbit pAb****BioSS**
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— DATASHEET —

Host: Rabbit	Isotype: IgG	Reactivity: (predicted: Human, Mouse, Rat, Pig, Cow, Dog, Horse)
Clonality: Polyclonal		
GeneID: 55294	SWISS: Q969H0	
Target: CDC4		Predicted MW.: 78 kDa
Immunogen: KLH conjugated synthetic peptide derived from human CDC4/FBW7/SEL10: 501-600/707.		Subcellular Location: Cytoplasm ,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: Fbw7 is a member of the F box protein family which are characterized by an approximately 40 amino acid motif, the F box. The F box proteins constitute one of the four subunits of ubiquitin protein ligase complex called SCFs (SKP1-cullin-F box), which function in phosphorylation-dependent ubiquitination. The F box proteins are divided into 3 classes: Fbws containing WD40 domains, Fbls containing leucine rich repeats, and Fbxs containing either different protein-protein interaction modules or no recognizable motifs. Fbw7 belongs to the Fbws class; in addition to an F box, this protein contains 7 tandem WD40 repeats. It binds directly to cyclin E and probably targets cyclin E for ubiquitin mediated degradation. Mutations of this gene are detected in ovarian and breast cancer cell lines. Alternative splicing of this gene generates 2 transcript variants diverging at the 5' termini.		

— SELECTED CITATIONS —

- **[IF=2.447]** Qiang Liu. et al. F-box and WD repeat-containing protein 7 ameliorates angiotensin II-induced myocardial hypertrophic injury via the mTOR-mediated autophagy pathway. EXP THER MED. 2022 Jul;24(1):1-10 WB ;Rat. 10.3892/etm.2022.11391