

bs-23166R**[Primary Antibody]****Bioss**
ANTIBODIES

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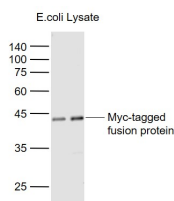
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Myc tag Rabbit pAb**DATASHEET**

Host: Rabbit	Isotype: IgG	Applications: WB (1:1000-10000)
Clonality: Polyclonal		Reactivity: Species independent
Target: Myc tag		
Immunogen: KLH conjugated Myc tag(EQKLISEEDL): 410-419/439.		
Purification: affinity purified by Protein A		Subcellular Location: Nucleus
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: Epitope tags are useful for the labeling and detection of proteins using immunoblotting, immunoprecipitation and immunostaining techniques. Due to their small size, they are unlikely to affect the tagged protein's biochemical properties. The Myc epitope tag is widely used to detect expression of recombinant proteins in bacteria, yeast, insect and mammalian cell systems. The c-Myc protein is a transcription factor, which is encoded by the c-Myc gene on human chromosome 8q24. c-Myc is commonly activated in a variety of tumor cells and plays an important role in cellular proliferation, differentiation, apoptosis and cell cycle progression. The phosphorylation of c-Myc has been investigated and previous studies have suggested a functional association between phosphorylation at Thr58/Ser62 by glycogen synthase kinase 3, cyclin dependent kinase, ERK2 and C-Jun N terminal Kinase (JNK) in cell proliferation and cell cycle regulation. Studies also have shown that c-Myc is essential for tumor cell development in vasculogenesis and angiogenesis that distribute blood throughout the cells, and which brought extensive attention in the development of new therapeutic approach for cancer treatment.		

VALIDATION IMAGES

Sample: Lane1: Myc-Tagged Fusion Protein
Overexpression E.coli Lysate (Cat#: bs-41230P)
at 2ug Lane2: Myc-Tagged Fusion Protein
Overexpression E.coli Lysate (Cat#: bs-41230P)
at 4ug Primary: Anti- Myc tag (bs-23166R) at
1/1000 dilution Secondary: IRDye800CW Goat
Anti-Rabbit IgG at 1/20000 dilution Predicted
band size: 41 kD Observed band size: 43 kD

SELECTED CITATIONS

- **[IF=21.1]** Xie Man-Xiu. et al. Endophilin A2 controls touch and mechanical allodynia via kinesin-mediated Piezo2 trafficking. MILITARY MED RES. 2024 Dec;11(1):1-27 WB,CoIP ;Mouse. 38475827
- **[IF=17.521]** Han Liu. et al. Geometric Constraints Regulate Energy Metabolism and Cellular Contractility in Vascular

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Smooth Muscle Cells by Coordinating Mitochondrial DNA Methylation. Advanced Science. 2022 Sep;;2203995 IF ;Human. 36106364

- **[IF=4.8]** Mingjiao Zhang. et al. TRIM26 restricts Epstein–Barr virus infection in nasopharyngeal epithelial cells through K48-linked ubiquitination of HSP-90 β . FASEB J. 2023 Dec;38(1):e23345 WB,CoIP ;Human. 38038978
- **[IF=4.7]** Ming Luo. et al. Fecal Microbiota Transplantation Alleviates Cirrhotic Portal Hypertension in Rats via Butyrate-Mediated HDAC3 Inhibition and PI3K/Akt/eNOS Signaling Regulation. EUR J PHARMACOL. 2025 May;;177781 CoIP ;Rat. 40441587