bs-24507R **[Primary Antibody]**

C-Myc Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 4609 **SWISS:** P01106

Target: C-Myc

Immunogen: KLH conjugated synthetic peptide derived from human C-Myc: 271-370/438.

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: The protein encoded by this gene is a multifunctional, nuclear phosphoprotein that plays a role in cell cycle progression, apoptosis and cellular transformation. It functions as a transcription factor that regulates transcription of specific target genes. Mutations, overexpression, rearrangement and translocation of this gene have been associated with a variety of hematopoietic tumors, leukemias and lymphomas, including Burkitt lymphoma. There is evidence to show that alternative translation initiations from an upstream, in-frame non-AUG (CUG) and a downstream AUG start site result in the production of two isoforms with distinct N-termini. The synthesis of non-AUG initiated protein is suppressed in Burkitt's lymphomas, suggesting its importance in the normal function of this gene. [provided by RefSeq, Jul 2008].

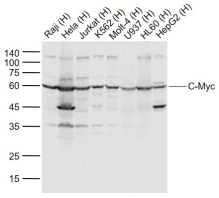
Applications: **WB** (1:500-2000)

Reactivity: Human, Fusion Protein (predicted: Mouse, Rat, Rabbit)

Predicted MW.: 49 kDa

Subcellular Location: Nucleus

VALIDATION IMAGES



Sample: Lane 1: Raji (Human) Cell Lysate at 30 ug Lane 2: Hela (Human) Cell Lysate at 30 ug Lane 3: Jurkat (Human) Cell Lysate at 30 ug Lane 4: K562 (Human) Cell Lysate at 30 ug Lane 5: Molt-4 (Human) Cell Lysate at 30 ug Lane 6: U937 (Human) Cell Lysate at 30 ug Lane 7: HL60 (Human) Cell Lysate at 30 ug Lane 8: HepG2 (Human) Cell Lysate at 30 ug Primary: Anti-C-Myc (bs-24507R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 49 kD Observed band size: 60 kD

SELECTED CITATIONS

- **[IF=6.023]** Ling Xie. et al. Suppression of GOLM1 by EGCG through HGF/HGFR/AKT/GSK-3β/β-catenin/c-Myc signaling pathway inhibits cell migration of MDA-MB-231. Food Chem Toxicol. 2021 Nov;157:112574 WB ;human. 34536514
- **[IF=4.5]** Bo Li. et al. IF-7 and GALA modified PEG-PDMAEMA loaded SOX10 siRNA nanoparticles: Preparation, cellular

delivery, and inhibition on progression of triple negative breast cancer and its bone metastasis in vitro. J DRUG DELIV SCI TEC. 2024 Oct;100:106115 WB ;Human. 10.1016/j.jddst.2024.106115

- **[IF=3.2]** Geng Yu. et al. miR-199a-5p modulates choroidal neovascularization by regulating Wnt7b/Wnt/β-catenin signaling pathway. J MOL HISTOL. 2024 Apr;:1-12 WB ;Human. 38662168
- **[IF=2.7]** Liang Ma. et al. The Chlamydia pneumoniae inclusion membrane protein Cpn0308 interacts with host protein ACBD3. J BACTERIOL. 2024 Dec 26 WB,IF ;Human. 39723831