



Recombinant

DGRmAb[®]

c-Myc (DGR12778) Rabbit mAb

db14926 Package : 10μL 20μL 50μL 100μL

Product Name: c-Myc (DGR12778) Rabbit mAb

Cat.No.: db14926

Synonyms: MRTL; MYCC; c-Myc; bHLHe39 **Application**: WB, IHC-P, ICC/IF, FC, IP

Reactivity: Human, Mouse, Rat

Host species: Rabbit

Background This gene is a proto-oncogene and encodes a nuclear phosphoprotein that plays a role in cell cycle

progression, apoptosis and cellular transformation. The encoded protein forms a heterodimer with the related transcription factor MAX. This complex binds to the E box DNA consensus sequence and regulates the transcription of specific target genes. Amplification of this gene is frequently observed in numerous human cancers. Translocations involving this gene are associated with Burkitt lymphoma and multiple myeloma in human patients. There is evidence to show that translation initiates both from an upstream, in-frame non-AUG (CUG) and a downstream AUG start site, resulting in the production of two isoforms with distinct N-termini. [provided by RefSeq, Aug

2017]

Immunogen A synthetic peptide of human c-Myc

Gene ID 4609

Swiss Prot P01106

Synonyms MRTL; MYCC; c-Myc; bHLHe39

Reactivity Human, Mouse, Rat

Application WB, IHC-P, ICC/IF, FC, IP

Recommended dilution WB: 1:1000

IHC-P: 1:50-1:500 ICC/IF: 1:20-1:200 FC: 1:50-1:100

IP: 1:20-1:50

Calculated MW 49 kDa

Observed MW 57-65 kDa

Host species Rabbit





Clonality Monoclonal

Clonality No. DGR12778

Isotype IgG

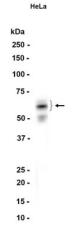
Purity Affinity Purification

Conjugation Un-conjugated

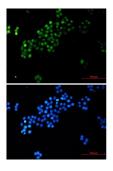
Storage Stability Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium

azide and 0.05% BSA. Stable for 12 months from date of receipt.

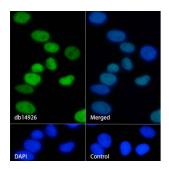
Western blot detection of c-Myc in HeLa cell lysates using c-Myc antibody(1:1000 diluted).



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Immunofluorescent analysis of HeLa cells using db14926 antibody (green), and DAPI (blue).



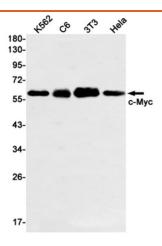
Immunofluorescence analysis of HeLa cells labelling c-Myc with db14926.

The cells were fixed with 4% PFA (10min, RT) followed by treatment with 0.1% Triton X-100 (10min, RT), and blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween 20 for 1h. The cells were then incubate with db14926 (1:50) at room temperature for 1h, followed by a further incubation at room temperature for 45min with Goat Anti Rabbit lgG (H+L)-AF488 (db10005, shown in green). Nuclear DNA was labeled in blue with DAPI.

Control: Secondary antibody only.







Western blot analysis of c-Myc in K562, C6, 3T3, Hela lysates using c-Myc antibody(1:1000 diluted).