

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 dilutionWB: 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

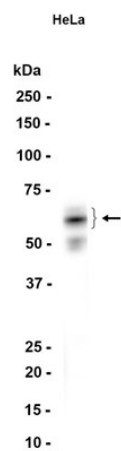
Observed MW

57-65 kDa

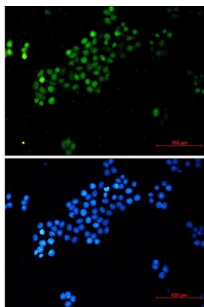
Host species

Rabbit

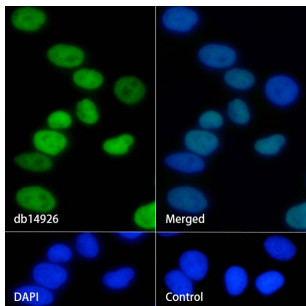
Clonality	Monoclonal
Clonality No.	DGR12778
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



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



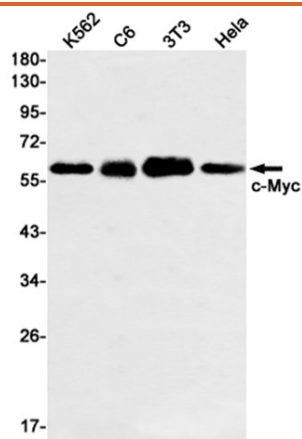
Immunofluorescent analysis of HeLa cells using db14926 antibody (green), and DAPI (blue).



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 temprature for 1h, followed by a further incubation at room temperature for 45min with Goat Anti Rabbit IgG (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).