Recombinant DGRmAb®

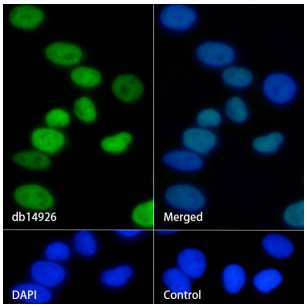
c-Myc (DGR12778) Rabbit mAb

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

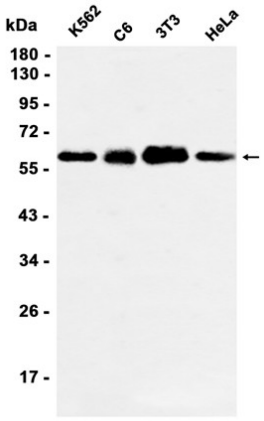
Clonality	Monoclonal
Clonality No.	DGR12778
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



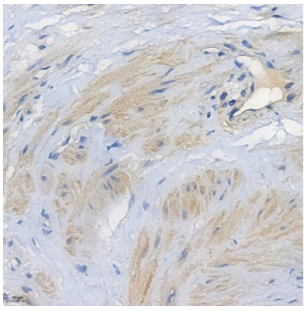
Immunofluorescence analysis of HeLa cells labelling c-Myc with db14926.

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.

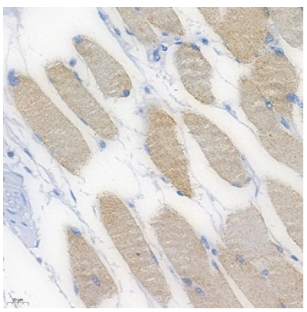
Control: Secondary antibody only.



Western blot analysis of extracts from K562, C6, 3T3, HeLa cells using db14926 at 1:1000.



Immunohistochemical analysis of paraffin-embedded human testicular cancer tissue labeling c-Myc with db14926. Counter stained with Hematoxylin.



Immunohistochemical analysis of paraffin-embedded human tongue carcinoma tissue labeling c-Myc with db14926. Counter stained with Hematoxylin.