Catalog: OM285606

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MYC Antibody

Catalog: OM285606

☐ 100ug

Product profile

Product name	MYC Antibody
Antibody Type	Tags Antibodies
Product description	MYC 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 MYC gene have been associated with a variety of hematopoietic tumors, leukemias and lymphomas, including Burkitt lymphoma.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.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.1) Frater, J.L., (2006) Cancer Genet. Cytogenet. 166 (2), 139-145.
Immunogen	Antibody produced in rabbits immunized with a synthetic peptide corresponding a region of human MYC.

Key Feature

Clonality	Polyclonal
Host Species	Rabbit
Tested Applications	ELISA ,IHC ,WB
Species Reactivity	Human

Concentration	1 mg/ml
Purification	Affinity purified

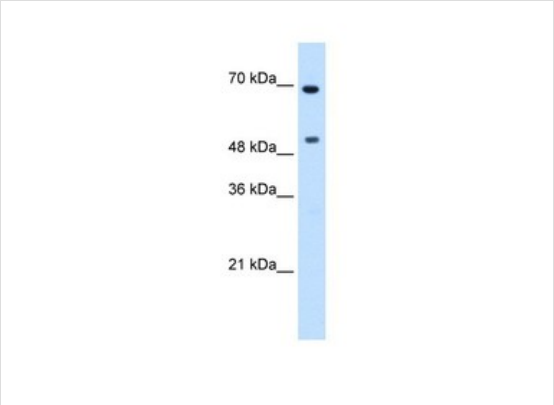
Target Information

Gene Symbol	MYC
Alternative Names	MYC, c-Myc, MRTL, MYCC, bHLHe39
Molecular Weight(MW)	50 kDa

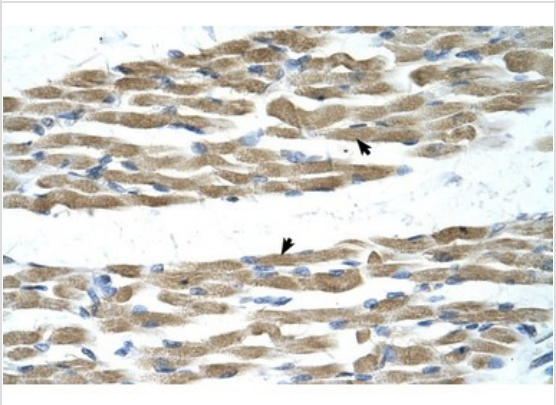
Database Links

Entrez Gene	4609
Protein Accession	NP_002458

Application



Application
Antibody used in WB on Transfected 293T at 0.0625 ug/ml.



Application
Antibody used in IHC on Human Muscle.

Positive Control	1) Tranfected 293T Cell Lysate
Application Notes	**MYC antibody can be used for detection of MYC by ELISA at 1:312500. MYC antibody can be used for detection of MYC by western blot at 0.0625 µg/mL, and HRP conjugated secondary antibody s hould be diluted 1:50,000 - 100,000.**:

Additional Information

Form	Liquid
Storage Instructions	For short periods of storage (days) store at 4˚C. For longer periods of storage, store MYC antibody at -20˚C. As with any antibody avoid repeat freeze-thaw cycles.
Storage Buffer	Antibody is lyophilized in PBS buffer with 2% sucrose. Add 50 µL of distilled water. Final antibody concentration is 1 mg/mL.
Note	The product is for research use only,not for use in diagnostic or therapeutic procedures.

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