



Catalog: OM285613

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MYC Antibody

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☐ 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 the gene encoding MYC 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 Lima, F.P., Am. J. Clin. Pathol. 129 (5), 723-726 (2008)
Immunogen	This MYC antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 40-69 amino acids from human MYC.

Key Feature

Clonality	Polyclonal
Isotype	Ig
Host Species	Rabbit
Tested Applications	FACS ,WB
Species Reactivity	Human
Concentration	1 mg/ml
Purification	Affinity purified

Target Information

Gene Symbol	MYC
Alternative Names	Myc proto-oncogene protein, Class E basic helix-loop-helix protein 39, bHLHe39, Proto-oncogene c-Myc, Transcription factor p64, MYC, BHLHE39

Molecular Weight(MW) 49 kDa

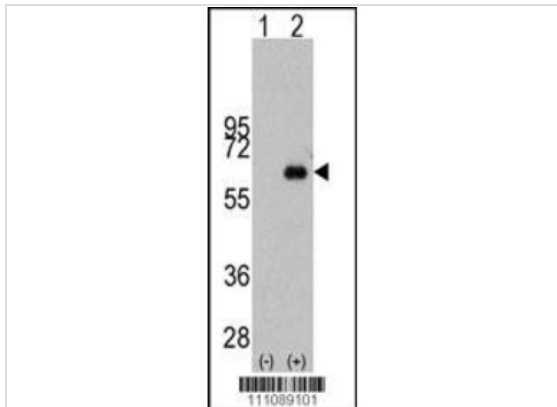
Sequence Similarities Predicted species reactivity based on immunogen sequence: Bovine

Database Links

Entrez Gene 4609

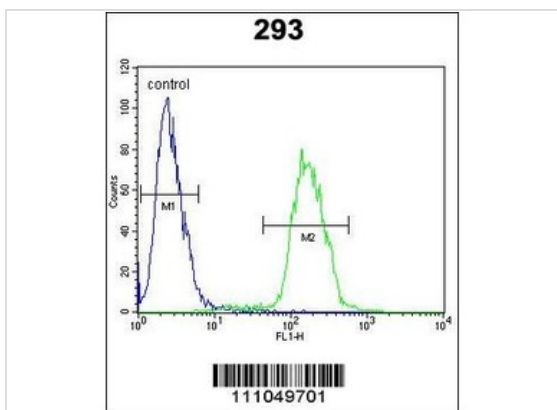
Protein Accession P01106

Application



Application

Western blot analysis of MYC using rabbit polyclonal MYC Antibody (S62) using 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the MYC gene (Lane 2).



Application

Flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Application Notes For WB starting dilution is: 1:1000 For FACS starting dilution is: 1:10~50:

Additional Information

Form Liquid

Storage Instructions Store at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Storage Buffer Supplied in PBS with 0.09% (W/V) sodium azide.

Note The product is for research use only, not for use in diagnostic or therapeutic procedures.

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This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt

