

Basic Information

Product Name	Anti-C-MYC/MYC Antibody (Clone#OTI1A6)		
Gene Name	MYC		
Source	Mouse		
Clonality	Monoclonal		
Isotype	IgG2b		
Species Reactivity	human, mouse, rat		
Tested Application	WB, IHC, FCM, ICC/IF		
Contents	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.		
Immunogen	Full length human recombinant protein of human Myc (NP_002458) produced in E.coli.		
Concentration	500 ug/ml		
Purification	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)		
Observed MW	50.4 kDa		
Dilution Ratios	Western blot (WB):	1:2000	
	Immunohistochemistry (IHC):	1:50	
	Immunocytochemistry/Immunofluorescence (ICC/IF):	1:100	
	Flow cytometry (FCM):	1:100	

Storage

Stable for 12 months from date of receipt. Store at -20°C as received.

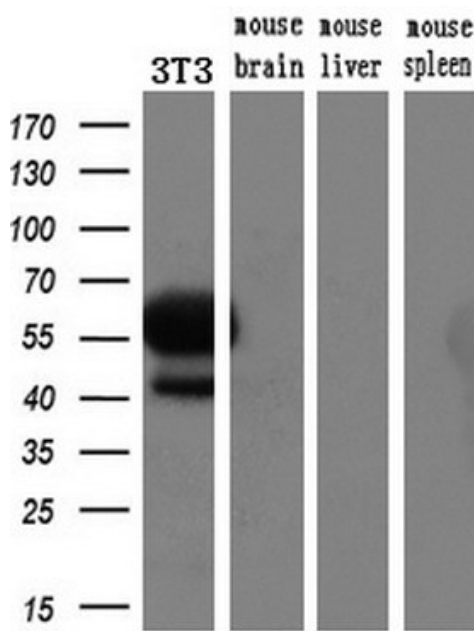
Background Information

MYC proto-oncogene, bHLH transcription factor is a protein that in humans is encoded by the MYC gene which is a member of the myc family of transcription factors. The protein contains basic helix-loop-helix (bHLH) structural motif. 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.

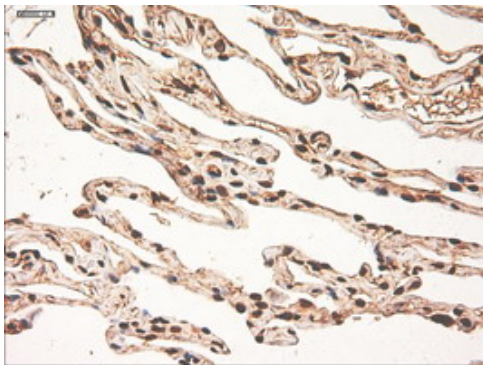
Reference

Anti-C-MYC/MYC Antibody (Clone#OT1A6)被引用在1文献中。

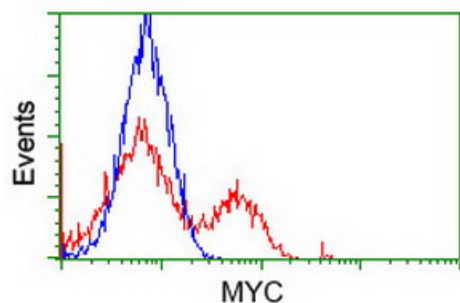
Selected Validation Data



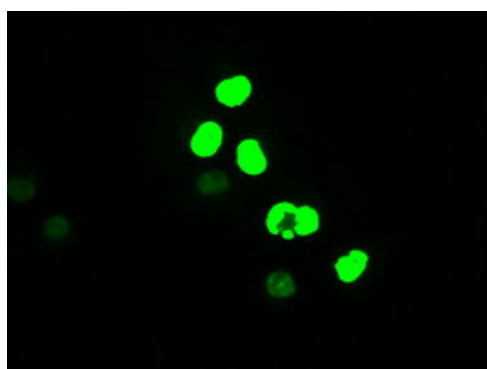
Western blot analysis of extracts (10ug) from a mouse cell line and 3 different mouse tissues by using anti-MYC monoclonal antibody (1:200).



Immunohistochemical staining of paraffin-embedded Human lung tissue within the normal limits using anti-MYC mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, M00026-4)



HEK293T cells transfected with either overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-MYC antibody, and then analyzed by flow cytometry.



Anti-MYC mouse monoclonal antibody immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY MYC .