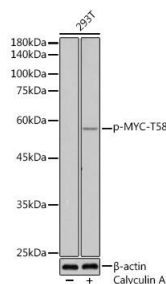


<b>Cat. No:</b>	ABP-0080
<b>Conjugate:</b>	Unconjugated
<b>Size:</b>	100 ug
<b>Clone:</b>	Poly
<b>Concentration:</b>	1mg/ml
<b>Host:</b>	Rb
<b>Isotype:</b>	IgG
<b>Immunogen:</b>	A phospho specific peptide corresponding to residues surrounding T58 of human MYC.
<b>Reactivity:</b>	Hu
<b>Applications:</b>	Western Blot: 1:500 - 1:2000 Immunohistochemistry: 1:50 - 1:200 Immunofluorescence: 1:50 - 1:100
<b>Molecular Weight:</b>	62KDa
<b>Purification:</b>	Affinity purification
<b>Synonyms:</b>	MRTL;MYCC;bHLHe39;c-Myc;MYC

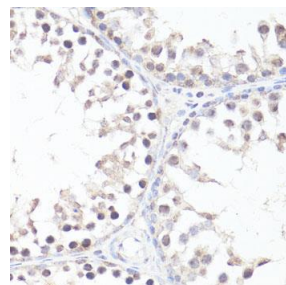
**Background:**

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.

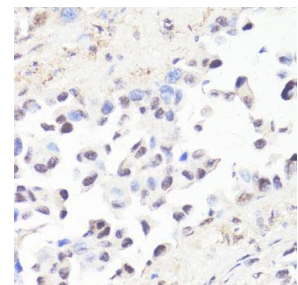
<b>Form:</b>	liquid
<b>Buffer:</b>	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
<b>Storage:</b>	Store at -20°C. Avoid freeze / thaw cycles.



Western blot analysis of extracts of 293T cells, using Phospho-MYC-T58 antibody at 1:500 dilution.293T cells were treated by Calyculin A (100 nM) at 37°C for 30 minutes after serum-starvation overnight. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000

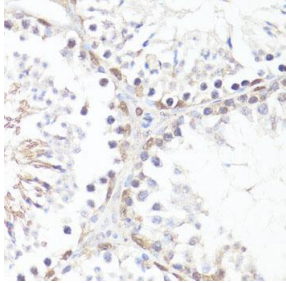


Immunohistochemistry of paraffinembedded rat testis using P-MYC-T58 antibody at dilution of 1:100 (40x lens).

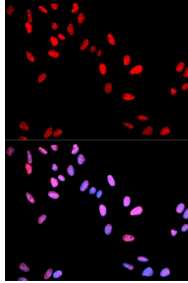


Immunohistochemistry of paraffin embedded human lung cancer using PMYC- T58 antibody at dilution of 1:100 (40x lens).

dilution. Lysates/proteins: 25ug per lane.  
Blocking buffer: 3% nonfat dry milk in  
TBST. Detection: ECL Enhanced Kit.  
Exposure time: 180s



Immunohistochemistry of  
paraffinembedded mouse testis using P-  
MYC-T58 antibody at dilution of 1:100  
(40x lens).



Immunofluorescence analysis of U2OS  
cells using Phospho-MYC-T58 antibody.  
Blue: DAPI for nuclear staining.