Anti-Phospho-c-Myc (Thr58) Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P108643

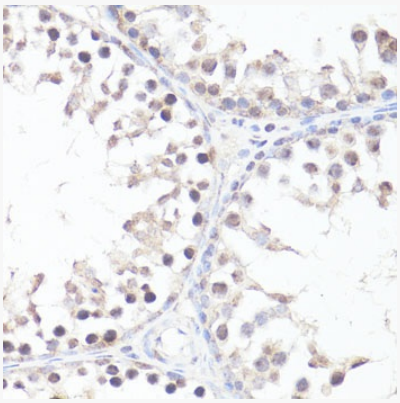
Product Information

Application	WB, IHC-P, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:100~1:500; IHC-P 1:50~1:200
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic phosphorylated peptide around T58 of mouse MYC (NP_001170823.1).
Format	Affinity purified polyclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Phospho-c-Myc (Thr58) Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures.

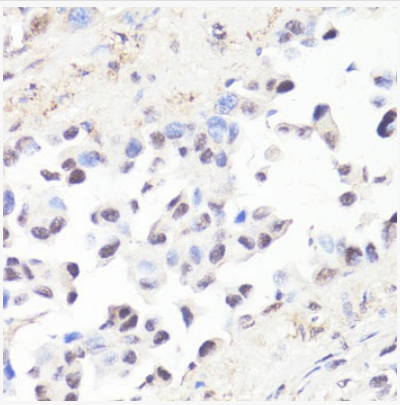
Protein Information

Synonyms	MRTL; MYCC; c-Myc; bHLHe39; Phospho-c-Myc-T58.
Calculated MW	Calculated MW: 51 kDa; Observed MW: 62 kDa
Uniprot ID	P01106
Gene ID	4609
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.

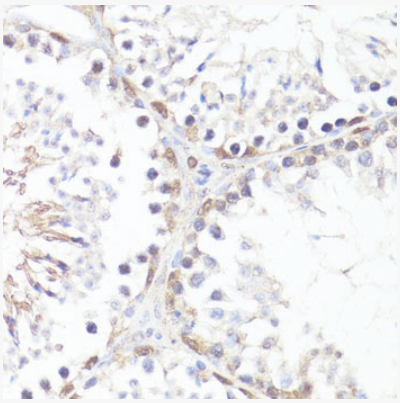
Validation Images



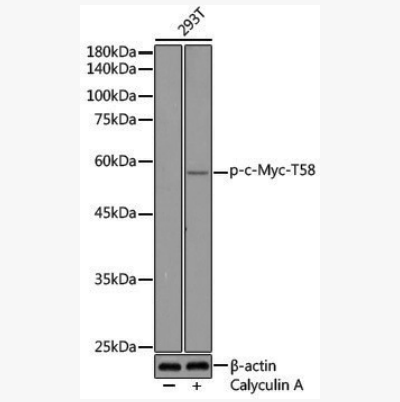
Immunohistochemistry analysis of paraffin-embedded Rat testis using Phospho-c-Myc-T58 Rabbit pAb (P108643) at dilution of 1:100 (40× lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human lung cancer using Phospho-c-Myc-T58 Rabbit pAb (P108643) at dilution of 1:100 (40× lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse testis using Phospho-c-Myc-T58 Rabbit pAb (P108643) at dilution of 1:100 (40× lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



Western blot analysis of lysates from 293T cells, using Phospho-c-Myc-T58 Rabbit pAb (P108643) 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-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Enhanced Kit.
Exposure time: 180s.