

AP0080

Leader in Biomolecular Solutions for Life Science



## Phospho-c-Myc-T58 Rabbit pAb

Catalog No.: AP0080

1 Publications

### Basic Information

#### Observed MW

62kDa

#### Calculated MW

51kDa

#### Category

Polyclonal Antibody

#### Applications

WB, IHC-P, ELISA

#### Cross-Reactivity

Human, Mouse, Rat

### 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.

### Recommended Dilutions

WB	1:100 - 1:500
IHC-P	1:50 - 1:200

### Immunogen Information

#### Gene ID

4609

#### Swiss Prot

P01106

#### Immunogen

A synthetic phosphorylated peptide around T58 of mouse MYC (NP\_001170823.1).

#### Synonyms

MRTL; MYCC; c-Myc; bHLHe39; Phospho-c-Myc-T58

### Contact



[www.abclonal.com](http://www.abclonal.com)

### Product Information

#### Source

Rabbit

#### Isotype

IgG

#### Purification

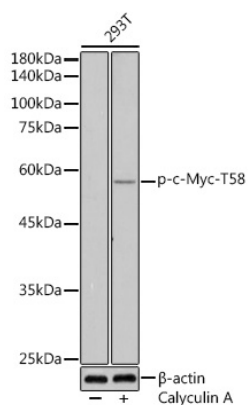
Affinity purification

#### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

## Validation Data



Western blot analysis of extracts of 293T cells, using Phospho-c-Myc-T58 antibody (AP0080) at 1:500 dilution. 293T cells were treated by Calyculin A (100 nM) at 37°C for 30 minutes after serum-starvation overnight.

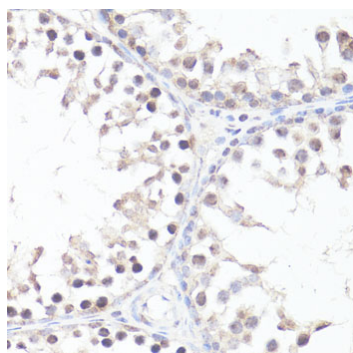
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

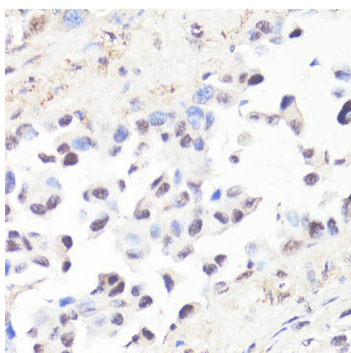
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Enhanced Kit (RM00021).

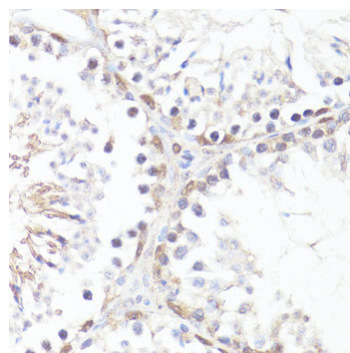
Exposure time: 180s.



Immunohistochemistry analysis of paraffin-embedded rat testis using P-MYC-T58 antibody (AP0080) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded human lung cancer using P-MYC-T58 antibody (AP0080) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded mouse testis using P-MYC-T58 antibody (AP0080) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.