

## Product datasheet for **AP12777PU-N**

### c-Myc (MYC) pThr58 Rabbit Polyclonal Antibody

#### Product data:

|                       |   |
|-----------------------|---|
| Product Type:         | Primary Antibodies  |
| Applications:         | WB  |
| Recommended Dilution: | ELISA: 1/1,000.<br>Dot Blot: 1/100-1/500.<br>Western Blot: 1/50-1/200.  |
| Reactivity:           | Human   |
| Host:                 | Rabbit  |
| Isotype:              | Ig  |
| Clonality:            | Polyclonal  |
| Immunogen:            | This antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding T58 of human MYC.   |
| Specificity:          | This antibody detects MYC pThr58.<br>Predicted to cross react with Mouse and Zebrafish (100% Antigen Homology).   |
| Formulation:          | PBS with 0.09% (W/V) Sodium Azide as preservative.<br>State: Aff - Purified<br>State: Liquid purified Ig fraction.  |
| Concentration:        | lot specific  |
| Purification:         | Protein A Affinity Chromatography. Then, the antibody fraction is peptide affinity purified in a 2-step procedure with peptides. The antibody is eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS. |
| Conjugation:          | Unconjugated  |
| Storage:              | Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.<br>Avoid repeated freezing and thawing.   |
| Stability:            | Shelf life: one year from despatch.   |
| Gene Name:            | v-myc avian myelocytomatosis viral oncogene homolog   |
| Database Link:        | <a href="#">Entrez Gene 4609 Human P01106</a>   |



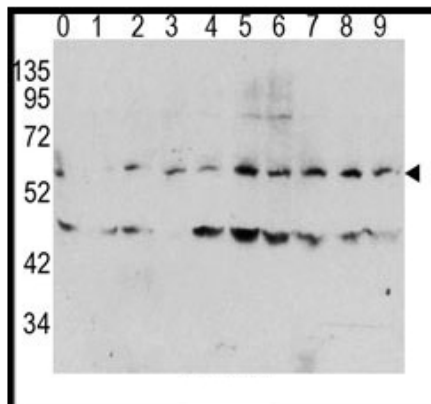
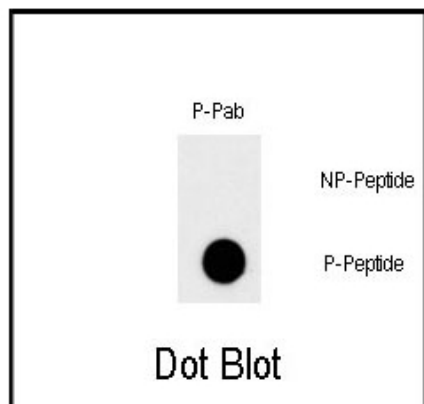
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**Background:** MYC participates in the regulation of gene transcription. It binds DNA both in a non-specific manner and also specifically to recognizes the core sequence 5'-CAC[GA]TG-3'. This protein appears to activate the transcription of growth-related genes. Overexpression of MYC is implicated in the etiology of a variety of hematopoietic tumors. A chromosomal aberration involving MYC may be a cause of a form of B-cell chronic lymphocytic leukemia.

**Synonyms:** Transcription factor p64, BHLHE39

**Note:** **Molecular weight:** 50434 Da

**Product images:**



(LEFT) Dot blot analysis of Phospho-MYC-Thr58 Pab on nitrocellulose membrane. 50ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antibody working concentrations are 0.5ug per ml. (RIGHT) Western blot analysis of Phospho-MYC-Thr58 Antibody in human TPA activated Hela cell line lysates. Phospho-MYC (arrow) was detected using the purified PAb. (0: without TPA; 1: 60ug/ml TPA, 15min; 2: 60ug/ml TPA, 30min; 3: 60ug/ml TPA, 45min; 4: 125ug/ml TPA, 15min; 5: 125ug/ml TPA, 30min; 6: 125ug/ml TPA, 45min; 7: 250ug/ml TPA, 15min; 8: 250ug/ml TPA, 30min; 9: 250ug/ml, 45min)