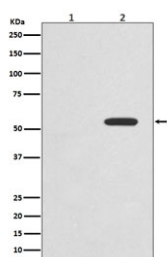


## Phospho-c-Myc Antibody (pT58) [clone FOC-13] (RQ4863)

| Catalog No. | Formulation                                                                | Size   |
|-------------|----------------------------------------------------------------------------|--------|
| RQ4863      | Antibody in PBS with 0.02% sodium azide, 50% glycerol and 0.4-0.5mg/ml BSA | 100 ul |

[Bulk quote request](#)

|                    |                                                                 |
|--------------------|-----------------------------------------------------------------|
| Availability       | 1-2 weeks                                                       |
| Species Reactivity | Human                                                           |
| Format             | Purified                                                        |
| Clonality          | Rabbit Monoclonal                                               |
| Isotype            | Rabbit IgG                                                      |
| Clone Name         | FOC-13                                                          |
| Purity             | Affinity purified                                               |
| UniProt            | P01106                                                          |
| Applications       | Western Blot : 1:500-1:2000                                     |
| Limitations        | This phospho-c-Myc antibody is available for research use only. |



Western blot testing of lysate from 1) untreated and 2) Calyculin A and Okadaic Acid-treated human HeLa cells with phospho-c-Myc antibody. Theoretical molecular weight: ~50 kDa but routinely observed at 50~70 kDa.

### Description

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. [RefSeq]

## Application Notes

Optimal dilution of the phospho-c-Myc antibody should be determined by the researcher.

## Immunogen

A synthetic peptide specific to human c-Myc (surrounding pT58) was used as the immunogen for the phospho-c-Myc antibody.

## Storage

Store the phospho-c-Myc antibody at -20oC.