Anti-Myc [33] Standard Size Ab02778-23.0

This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Rabbit IgG, Kappa
Clone Number: 33
Alternative Name(s) of Target: Transcription factor p64; Myc proto-oncogene protein; Class E basic helix-loop-helix protein 39; Proto-oncogene c-Myc; C-33
UniProt Accession Number of Target Protein: P01106
Published Application(s): IP, WB, IHC
Published Species Reactivity: Avian, Human, Mouse
Immunogen: The original mouse IgG1 version of this antibody was raised by immunizing mice against the full-length human c-myc protein. The spleen cells of these mice were then fused with mouse myeloma.
Specificity: This antibody recognizes the human proto-oncogene c-myc, a growth factor which is overexpressed in cancer cells.
Application Notes: This original mouse IgG1 can be used to detect the human myc-c growth factor. The specificity of this antibody has been confirmed using immunoprecipitation and western blotting (Zhang et al., 2008; PMID: 18438430). In addition, one group used a western blot assay to research the myc-c levels in cells at different stages of cell growth (Shichiri et al., 1993; PMID: 8494788). Another group used western blotting to visualize the amount of myc-c in different tumours (Marin et al., 1995; PMID: 7698223). A final group used immunohistochemistry to analyze the role myc-c plays in tumour development (Banerjee et al., 1996; PMID: 8631582).
Antibody First Published in: Shichiri et al. Effects of c-myc expression on proliferation, quiescence, and the G0 to G1 transition in nontransformed cells Cell Growth Differ. 1993 Feb;4(2):93-104 PMID:8494788
Note on publication: Is the first mention of the original mouse IgG1 antibody and describes its usuage

Product Form

Size: 200 µg Purified antibody.
Purification: Protein A affinity purified
Supplied In: PBS with 0.02% Proclin 300.
Storage Recommendation: Store at 4ºC for up to 3 months. For longer storage, aliquot and store at -

20^{o}C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.