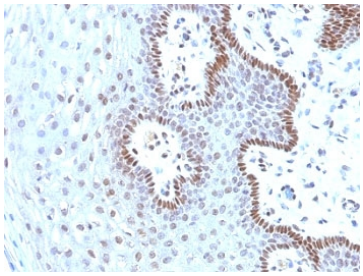
c-Myc Antibody [clone 9E10.3] (V2744)

Catalog No.	Formulation	Size
V2744-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2744-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2744SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2744IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

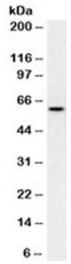
Citations (10)

Bulk quote request

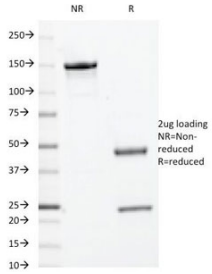
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	9E10.3
Purity	Protein G affinity chromatography
UniProt	P01106
Localization	Nuclear
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This c-Myc antibody is available for research use only.



IHC analysis of formalin-fixed, paraffin-embedded human cervical carcinoma stained with c-Myc antibody (clone 9E10.3).



Western blot testing of HeLa cell lysate (nuclear fraction) with c-Myc antibody (clone 9E10.3). Theoretical molecular weight: ~50kDa but routinely observed at 50~70kDa.



SDS-PAGE Analysis of Purified, BSA-Free c-Myc Antibody (clone 9E10.3). Confirmation of Integrity and Purity of the Antibody.

Description

It recognizes a transcription factor of 64-67kDa, identified as c-myc. Its epitope spans between aa 410-419 (EQKLISEEDL) which is a specific portion of an alpha helical region of human c-myc protein. This mAb shows no cross-reaction with v-myc. c-myc is involved in the control of cell proliferation and differentiation and is amplified and/or overexpressed in a variety of tumors. Over-expression of c-myc protein occurs frequently in luminal cells of prostate intraepithelial neoplasia as well as in most primary carcinomas and metastatic disease.

Application Notes

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

1. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 10-20 min followed by cooling at RT for 20 min
2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

Amino acids AEEQKLISEEDLLRKRREQLKHKLEQLRNSCA were used as the immunogen for the c-Myc antibody.

Storage

Store the c-Myc antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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