n-Myc Antibody [clone NMYC-1] (V7972)

Catalog No.	Formulation	Size
V7972-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7972-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7972SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a, kappa
Clone Name	NMYC-1
Purity	Protein G affinity chromatography
UniProt	P04198
Applications	Immunofluorescence : 1-2ug/ml Western Blot : 1-2ug/ml
Limitations	This n-Myc antibody is available for research use only.

Description

The v-Myc oncogene, initially identified in the MC29 avian retrovirus, causes myelocytomas, carcinomas, sarcomas and lymphomas, and belongs to a family of oncogenes conserved throughout evolution. In humans, the family consists of five genes: c-Myc, N-Myc, R-Myc, L-Myc and B-Myc. Amplification of the N-Myc gene has been found in human

neuroblastomas and cell lines. Its amplification correlates well with the stage of neuroblastoma disease. Immunological studies have shown that the human N-Myc gene encodes a nuclear phosphoprotein that exhibits relatively short (30 min) half life in vivo. The prototype member of the family, c-Myc p67, binds DNA in a sequence-specific manner subsequent to dimerization with a second basic region helix-loop-helix leucine zipper motif protein, designated Max.

Application Notes

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

Immunogen

A recombinant full-length human n-Myc protein was used as the immunogen for the n-Myc antibody.

Storage

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

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