

Product Sheet: Rabbit anti-Human N-Myc IgG fraction polyclonal antibody

Catalog Number	PT-5001a-9
Product Name	Rabbit anti-Human N-Myc IgG fraction polyclonal antibody
Temperature	-20°C
Unit	1mg
Category	Growth Factors, Cytokines, Receptors and their Antibodies
Subcategory	Polyclonal Antibodies (Cancer/Transcription Factors)
Description	IgG fraction from rabbit polyclonal antibody obtained by immunizing rabbits with a synthetic peptide (SPYVESEDAPPQKK) corresponding to amino acids 337-349 of human N-Myc. The IgG fraction was purified using Protein G-Sepharose.
Isotype	N/A
Mol Weight	N/A
Purity	N/A
Storage	Store at -20°C.
Stability	Stable at least one year at -20°C. Avoid repeated freezing and thawing.
Biological Activity	This polyclonal antibody reacts in ELISA and Western blot assays (1: 500 dilution) using the immunizing peptide. N-Myc is a 49.5 kDa nuclear phosphoprotein that contains a basic helix-loop-helix leucine zipper domain involved in DNA binding and protein dimerization. It regulates gene expression by dimerizing with itself or other helix-loop-helix proteins and this complex binds to DNA E-box sequences of regulated genes. N-Myc is expressed in high levels during embryonic development and in the adult during B-cell differentiation. It is overexpressed in a variety of tumors, aminly neuroblastomas and is associated with rapid progression and poor prognosis.
Formulation	Solution at 1 mg/mL in PBS. Some of the liquid in the vial could have evaporated with changes in the final volume. However, the mass of the protein is still inside the vial.
References	Slamon, D.J. et al. (1986) Science 232, 768-772. Eisenman, R.N. (2001) Genes & Dev. 15, 2023-2030. Knoepfler, P.S. et al. (2006) EMBO J. 25, 2723-2734.

All products are for research use ONLY in laboratory animals and in vitro testing. NOT for diagnostic or human use.

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