

Anti-n-Myc Picoband Antibody

Catalog # ABO12414

Specification

Anti-n-Myc Picoband Antibody - Product Information

Application **WB**
Primary Accession [P04198](#)
Host **Rabbit**
Reactivity **Human, Rat**
Clonality **Polyclonal**
Format **Lyophilized**

Description

Rabbit IgG polyclonal antibody for N-myc proto-oncogene protein(MYCN) detection. Tested with WB in Human;Rat.

Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-n-Myc Picoband Antibody - Additional Information

Gene ID 4613

Other Names

N-myc proto-oncogene protein, Class E basic helix-loop-helix protein 37, bHLHe37, MYCN, BHLHE37, NMYC

Calculated MW

49561 MW KDa

Application Details

Western blot, 0.1-0.5 µg/ml, Human, Rat

Subcellular Localization

Nucleus.

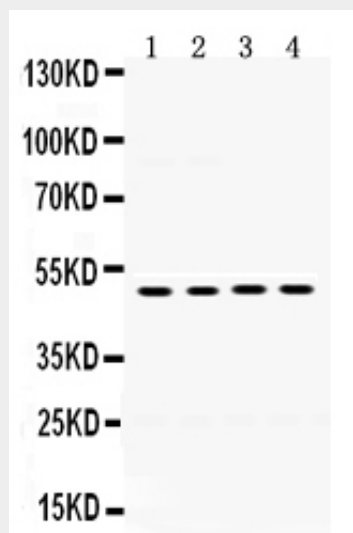
Tissue Specificity

Expressed in the neuronal cells of the cerebrum, neuroblastomas and thyroid tumors (at protein level).

Protein Name

N-myc proto-oncogene protein

Contents



Anti- n-Myc Picoband antibody, ABO12414, Western blotting All lanes: Anti n-Myc (ABO12414) at 0.5ug/ml Lane 1: Rat Brain Tissue Lysate at 50ug Lane 2: A431 Whole Cell Lysate at 40ug Lane 3: MCF-7 Whole Cell Lysate at 40ug Lane 4: SW620 Whole Cell Lysate at 40ug Predicted bind size: 50KDa Observed bind size: 50KD

Anti-n-Myc Picoband Antibody - Background

N-myc proto-oncogene protein, also known as N-Myc or basic helix-loop-helix protein 37 (bHLHe37), is a protein that in humans is encoded by the MYCN gene. This gene is a member of the MYC family and encodes a protein with a basic helix-loop-helix (bHLH) domain. And this protein is located in the nucleus and must dimerize with another bHLH protein in order to bind DNA. Amplification of this gene is associated with a variety of tumors, most notably neuroblastomas. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg NaN₃.

Immunogen

A synthetic peptide corresponding to a sequence at the C-terminus of human n-Myc (428-464aa EYVHSLQAEHHQLLLEKEK LQARQQQLLKKIEHARTC), different from the related mouse and rat sequences by two amino acids.

Purification

Immunogen affinity purified.

Cross Reactivity

No cross reactivity with other proteins.

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Anti-n-Myc Picoband Antibody - Protein Information

Name MYCN

Synonyms BHLHE37, NMYC

Function

Positively regulates the transcription of MYCNOS in neuroblastoma cells.

Cellular Location

Nucleus.

Tissue Location

Expressed in the neuronal cells of the cerebrum, neuroblastomas and thyroid tumors (at protein level)

Anti-n-Myc Picoband Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)

- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)