

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

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg Na₃.

Immunogen

A synthetic peptide corresponding to a sequence at the C-terminus of human n-Myc (428-464aa EYVHSLQAEHQLLLEKEKLQARQQQLKKIEHARTC), 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.

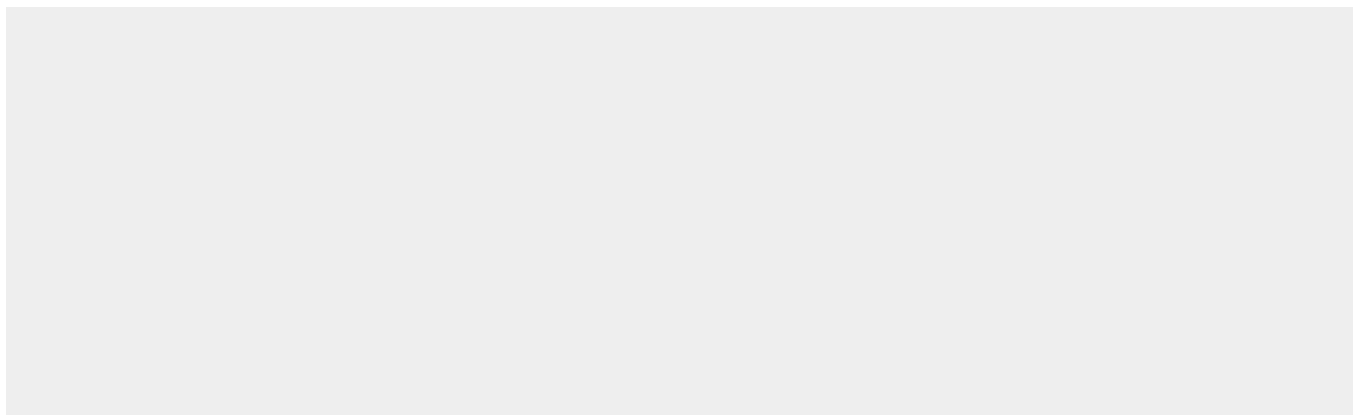
Tissue Location

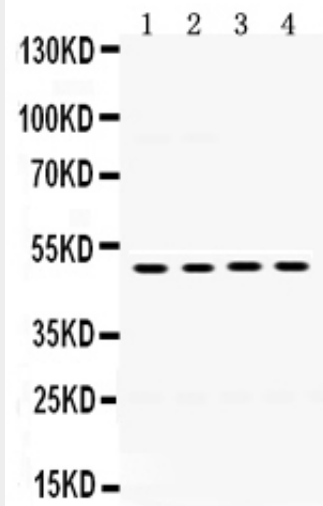
Expressed in the neuronal cells of the cerebrum, neuroblastomas and thyroid tumors (at protein level)

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](#)

Anti-n-Myc Picoband Antibody - Images



Anti- n-Myc Picoband antibody, ABO12414, Western blottingAll lanes: Anti n-Myc (ABO12414) at 0.5ug/mlLane 1: Rat Brain Tissue Lysate at 50ugLane 2: A431 Whole Cell Lysate at 40ugLane 3: MCF-7 Whole Cell Lysate at 40ugLane 4: SW620 Whole Cell Lysate at 40ugPredicted bind size: 50KDObserved 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.