Datasheet for ABIN6972393

# anti-MYCN antibody (C-Term)

2 Images

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## Overview

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|---|---|
| Quantity: | 100 µL |
| Target: | MYCN |
| Binding Specificity: | C-Term |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Application: | Western Blotting (WB), ChIP DNA-Sequencing (ChIP-seq) |

## Product Details

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| Immunogen: | This N-Myc antibody was raised against a peptide derived from the C-terminal region of human N-Myc. |
| Isotype: | IgG |
| Characteristics: | N-Myc (MYCN) is a member of the Myc family of proto-oncogenes. Myc family members play crucial roles in regulating cell proliferation, size and differentiation. N-Myc is required for proper development of the nervous system. Myc family proteins can induce malignant transformation inappropriately modulating gene transcription, leading to unchecked cell proliferation. Misexpression of N-Myc is often associated with pediatric neural cancers such as neuroblastoma, medulloblastoma and retinoblastoma. N-Myc antibody (pAb) was raised in a Rabbit host. It has been validated for use in ChIP-Seq and Western blot, it has been shown to react with Human samples. |
| Purification: | Affinity Purified |

## Target Details

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| Target: | MYCN |
| Alternative Name: | N-Myc (MYCN Products) |
| Molecular Weight: | 60 kDa |
| NCBI Accession: | NP_005369 |

## Application Details

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| Application Notes: | Optimal working dilution should be determined by the investigator. |
| Restrictions: | For Research Use only |

## Handling

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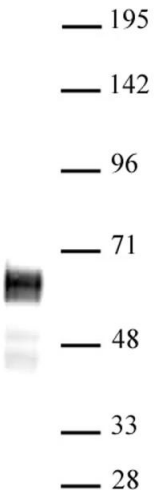
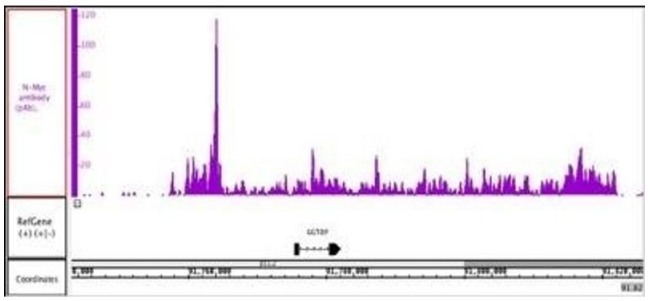
| Buffer: | Purified IgG in 70 mM Tris ( pH 8), 105 mM NaCl, 31 mM glycine, 0.07 mM EDTA, 30 % glycerol and 0.035 % sodium azide. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | -20 °C |
| Storage Comment: | Avoid repeated freeze/thaw cycles by aliquoting items into single-use fractions for storage at -20°C for up to 2 years. Keep all reagents on ice when not in storage. |

## Images




**Western Blotting**

**Image 1.** N-Myc antibody (pAb) tested by Western blot. Nuclear extract (20 µg) of Kelly cells probed with N-Myc antibody at a dilution of 1:1,000



**ChIP DNA-Sequencing**

**Image 2.** N-Myc antibody (pAb) tested by ChIP-Seq Chromatin immunoprecipitation (ChIP) was performed using the ChIP-IT High Sensitivity Kit with 200 µg of chromatin from human cell line chromatin and 20 µg N-Myc antibody. ChIP DNA was sequenced on the Illumina HiSeq and 9.2 million sequence tags were mapped to identify N-Myc binding sites on chromosome 3. You can view the complete data set in the UCSC Genome Browser, starting at this specific location, here.