

MYCN Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant MYCN.

Catalog # AT2948a

Specification

MYCN Antibody (monoclonal) (M01) - Product Information

Application	WB, E
Primary Accession	P04198
Other Accession	NM_005378
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	49561

MYCN Antibody (monoclonal) (M01) - Additional Information

Gene ID 4613

Other Names

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

Target/Specificity

MYCN (NP_005369, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

Format

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

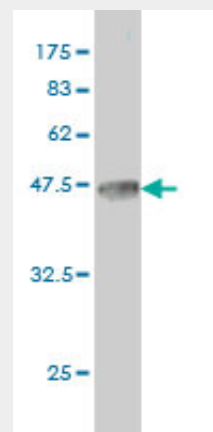
Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

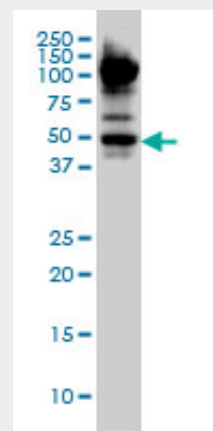
Precautions

MYCN Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

MYCN Antibody (monoclonal) (M01) - Protocols



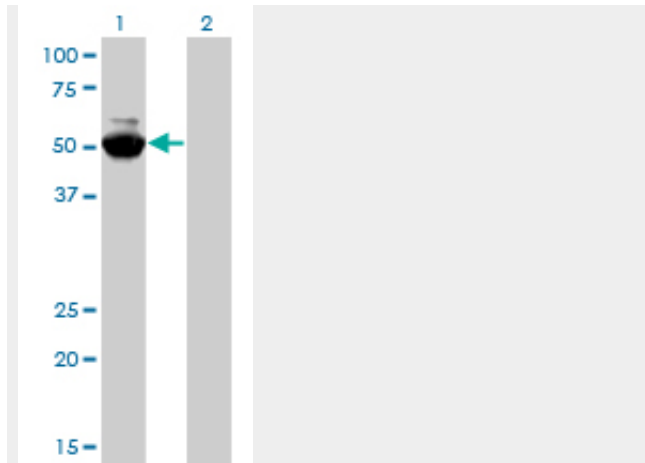
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .



MYCN monoclonal antibody (M01), clone 3H4 Western Blot analysis of MYCN expression in HepG2 ((Cat # AT2948a)

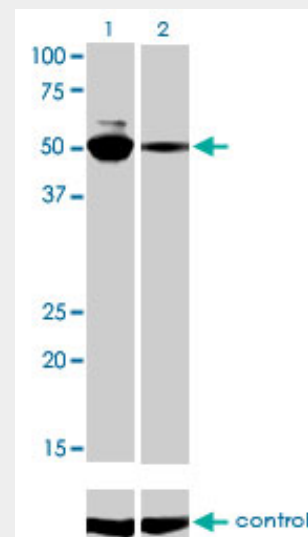
Provided below are standard protocols that you may find useful for product applications.

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

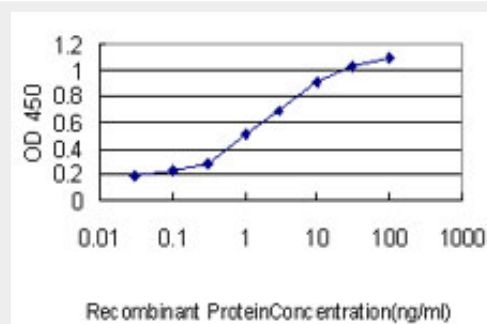


Western Blot analysis of MYCN expression in transfected 293T cell line by MYCN monoclonal antibody (M01), clone 3H4.

Lane 1: MYCN transfected lysate(49.6 KDa).
Lane 2: Non-transfected lysate.



Western blot analysis of MYCN over-expressed 293 cell line, cotransfected with MYCN Validated Chimera RNAi (Cat # AT2948a)



Detection limit for recombinant GST tagged

MYCN is approximately 0.03ng/ml as a capture antibody.

MYCN Antibody (monoclonal) (M01) - Background

This gene is a member of the MYC family and encodes a protein with a basic helix-loop-helix (bHLH) domain. 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.

MYCN Antibody (monoclonal) (M01) - References

Analysis of the REL, BCL11A, and MYCN proto-oncogenes belonging to the 2p amplicon in chronic lymphocytic leukemia. Deambrogi C, et al. Am J Hematol, 2010 Jul. PMID 20575024. Pleiotropic role for MYCN in medulloblastoma. Swartling FJ, et al. Genes Dev, 2010 May 15. PMID 20478998. Transcriptional repression of SKP2 is impaired in MYCN-amplified neuroblastoma. Muth D, et al. Cancer Res, 2010 May 1. PMID 20424123. MicroRNA-184 inhibits neuroblastoma cell survival through targeting the serine/threonine kinase AKT2. Foley NH, et al. Mol Cancer, 2010 Apr 21. PMID 20409325. Subtype-specific FBXW7 mutation and MYCN copy number gain in Wilms' tumor. Williams RD, et al. Clin Cancer Res, 2010 Apr 1. PMID 20332316.