

## MYCN Antibody

Catalog No: #37770

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## Description

Product Name	MYCN Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	WB IHC IF
Species Reactivity	Human, Mouse, Rat
Specificity	n-Myc Antibody detects endogenous levels of total n-Myc.
Immunogen Type	Peptide
Immunogen Description	A synthesized peptide derived from human n-Myc, corresponding to a region within the internal amino acids.
Target Name	MYCN
Other Names	NMYC; ODED; MODED; N-myc; MYCNOT; bHLHe37
Accession No.	Swiss-Prot#: P04198NCBI Gene ID: 4613Gene Accssion: NP_005369
Uniprot	P04198
GeneID	4613;
Calculated MW	50kDa
Concentration	1mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol.
Storage	Store at -20°C

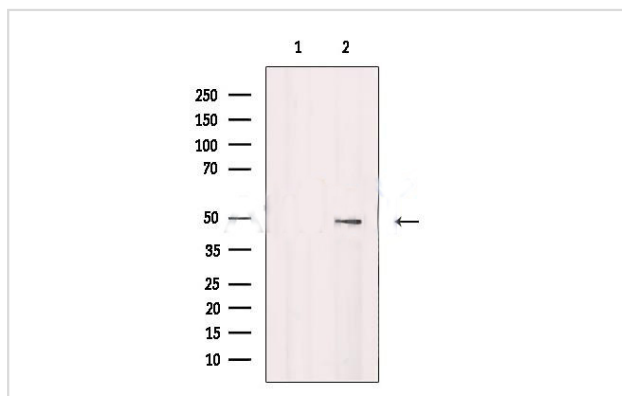
## Application Details

Immunohistochemistry: 1:50-1:200

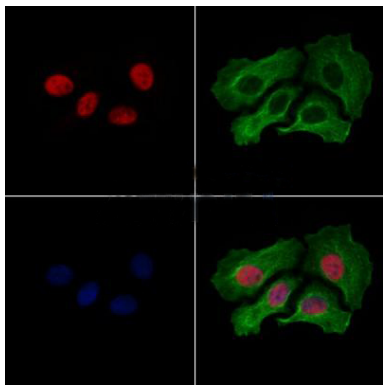
WB dilution: 1:500-1:2000

IF dilution: 1:100-1:500

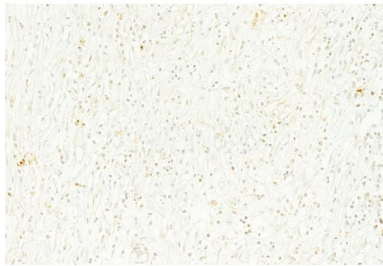
## Images



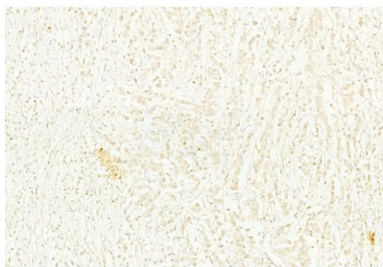
Western blot analysis of extracts from CACO-2, using N Myc Antibody. The lane on the left was treated with blocking peptide.



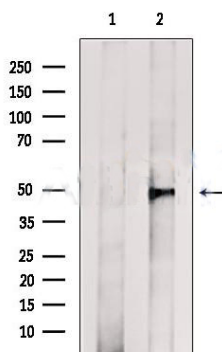
#37770 staining HeLa cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(37770 1:200) and mouse anti-beta tubulin Ab(1:200) for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody. The nuclear counter stain is DAPI(blue).



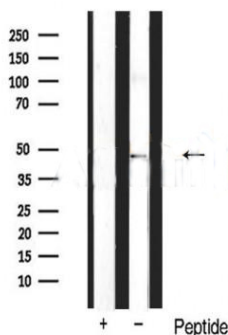
#37770 at 1/100 staining Human colorectal cancer by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



#37770 at 1/100 staining Human colorectal cancer by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



Western blot analysis of extracts from C6 cells, using N Myc Antibody. The lane on the left was treated with blocking peptide.



Western blot analysis of N Myc expression in CACO-2 cells

## Background

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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.

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Note: This product is for in vitro research use only