



Datasheet for ABIN1680957  
**anti-MYCN antibody (AA 168-267)**



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6 Images

1 Publication

### Overview

Quantity:	100 µg
Target:	MYCN
Binding Specificity:	AA 168-267
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

### Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 168-267 of human MYCN (NP_005369.2).
Sequence:	AGRAGAALPA ELAHPAAECV DPAVVFPFPV NKREPAPVPA APASAPAAGP AVASGAGIAA PAGAPGVAPP RPGGRQTSGG DHKALSTSGE DTLSDSDDED
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

### Target Details

Target:	MYCN
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## Target Details

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Alternative Name: MYCN ([MYCN Products](#))

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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. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene.,MODED,N-myc,NMYC,ODED,bHLHe37,MYCN,Epigenetics & Nuclear Signaling,Transcription Factors,Cancer,Signal Transduction,MAPK-Erk Signaling Pathway,MYCN

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Molecular Weight: 49 kDa

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Gene ID: 4613

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UniProt: [P04198](#)

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## Application Details

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Application Notes: WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200

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Restrictions: For Research Use only

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## Handling

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Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

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Preservative: Sodium azide

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Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Storage: -20 °C

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Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

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## Publications

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Product cited in: van Tilburg, Warmer, van Heel, Sauer, Kuipers: "Membrane composition and organization of Bacillus subtilis 168 and its genome-reduced derivative miniBacillus PG10." in: **Microbial biotechnology**, Vol. 15, Issue 5, pp. 1633-1651, (2022) ([PubMed](#)).

Ahrens, Appl, Trochimiuk, Dücker, Feixas Serra, Oliver Grau, Reinshagen, Pagerols Raluy: "Kigelia africana inhibits proliferation and induces cell death in stage 4 Neuroblastoma cell lines." in:

**Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie**, Vol. 154, pp. 113584, (2022) ([PubMed](#)).

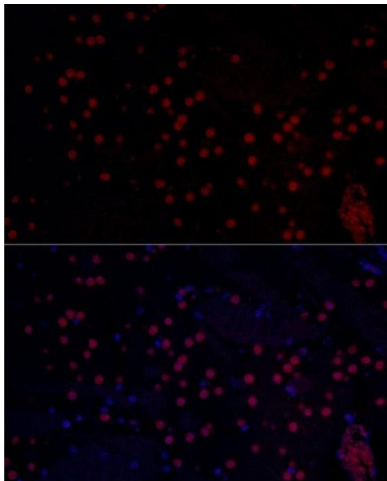
Xu, Huang, Liu, Chen, Chen, Yang, Zhao, Li, Duan, Liu, Yang: "Survivin regulated by autophagy mediates hyperglycemia-induced vascular endothelial cell dysfunction." in: **Experimental cell research**, Vol. 364, Issue 2, pp. 152-159, (2019) ([PubMed](#)).

Merten, Fischer, Simon, Zhang, Schröder, Peters, Letombe, Hennen, Schrage, Bödefeld, Vermeiren, Gillard, Mohr, Lu, Brüstle, Gomeza, Kostenis: "Repurposing HAMI3379 to Block GPR17 and Promote Rodent and Human Oligodendrocyte Differentiation." in: **Cell chemical biology**, Vol. 25, Issue 6, pp. 775-786.e5, (2019) ([PubMed](#)).

Yang, Li, Wu, Shen, Zeng, Xiong, Wei, Chen, Liu, Huo, Li, Xue, Yao, Zhang, Li, Chen, Luo: "Comprehensive integrative analyses identify GLT8D1 and CSNK2B as schizophrenia risk genes." in: **Nature communications**, Vol. 9, Issue 1, pp. 838, (2018) ([PubMed](#)).

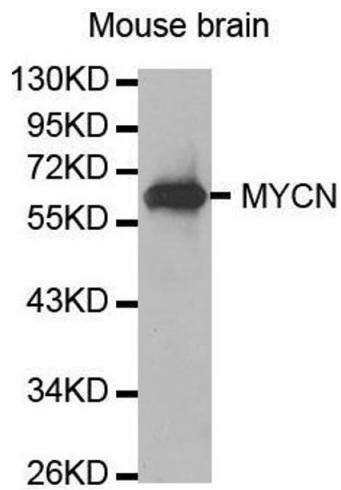
## Images

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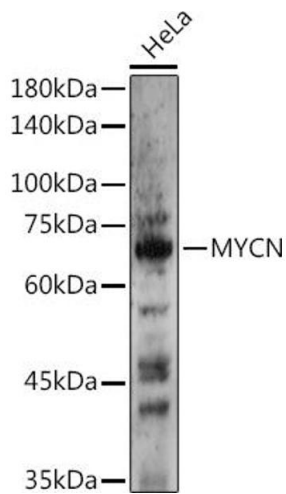
### Immunofluorescence

**Image 1.** Immunofluorescence analysis of mouse brain using MYCN Rabbit pAb (ABIN1680957, ABIN3015161, ABIN3015163 and ABIN6213865) at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.



### Western Blotting

Image 2.



### Western Blotting

**Image 3.** Western blot analysis of extracts of HeLa cells, using MYCN antibody (ABIN1680957, ABIN3015161, ABIN3015163 and ABIN6213865) at 1:500 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 180s.

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN1680957.