


Anti-n-Myc/MYCN antibody ab24193

★★★★☆ [4 Abreviews](#) [13 References](#) [2 Images](#)

Overview

Product name	Anti-n-Myc/MYCN antibody
Description	Rabbit polyclonal to n-Myc/MYCN
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Mouse, Human Predicted to work with: Rat, Chicken, Non human primates 
Immunogen	Synthetic peptide corresponding to Human n-Myc/MYCN aa 1-100 conjugated to keyhole limpet haemocyanin. Synthetic peptide conjugated to KLH derived from within residues 1 - 100 of Human n-Myc/MYCN. Read Abcam's proprietary immunogen policy (Peptide available as ab31595 .) Database link: P04198 (Peptide available as ab31595 , ab31596)
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS
<p>Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.</p>	

Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab24193 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★★ (4)	Use a concentration of 1 - 5 µg/ml. Detects a band of approximately 49 kDa (predicted molecular weight: 49 kDa).

Target

Function	May function as a transcription factor.
Involvement in disease	<p>Note=Amplification of the N-MYC gene is associated with a variety of human tumors, most frequently neuroblastoma, where the level of amplification appears to increase as the tumor progresses.</p> <p>Defects in MYCN are the cause of microcephaly-oculo-digito-esophageal-duodenal syndrome (MODED) [MIM:164280]; also known as oculodigitoesophagoduodenal syndrome (ODED). Microcephaly-oculo-digito-esophageal-duodenal syndrome is characterized by variable combinations of esophageal and duodenal atresias, microcephaly, learning disability and limb malformations. Cardiac and renal malformations, vertebral anomalies, and deafness have also been described.</p> <p>Defects in MYCN are the cause of microcephaly and digital abnormalities with normal intelligence (MCPHDANI) [MIM:602585].</p>
Sequence similarities	Contains 1 basic helix-loop-helix (bHLH) domain.
Developmental stage	Expressed during fetal development.
Cellular localization	Nucleus.

Images



Western blot - Anti-n-Myc/MYCN antibody
(ab24193)

All lanes : Anti-n-Myc/MYCN antibody (ab24193) at 1 µg/ml

Lane 1 : Heart (Human) Whole Cell Lysate - fetal normal tissue

Lane 2 : Heart (Mouse) Tissue Lysate

Lane 3 : Skeletal Muscle (Mouse) Tissue Lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Anti-Rabbit IgG VHH Single Domain (HRP) ([ab191866](#))
at 1/50000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

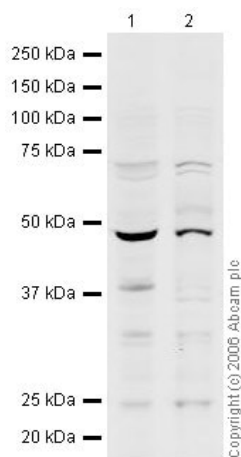
Predicted band size: 49 kDa

Observed band size: 49 kDa

Additional bands at: 190 kDa. We are unsure as to the identity of these extra bands.

Exposure time: 30 seconds

This blot was produced using a 4-12% Bis-tris gel under the MOPS buffer system. The gel was run at 200V for 50 minutes before being transferred onto a Nitrocellulose membrane at 30V for 70 minutes. The membrane was then blocked for an hour using 2% Bovine Serum Albumin before being incubated with ab24193 overnight at 4°C. Antibody binding was detected using an anti-rabbit IgG VHH single domain antibody conjugated to HRP ([ab191866](#)), and visualised using ECL development solution [ab133406](#).



Western blot - Anti-n-Myc/MYCN antibody
(ab24193)

All lanes : Anti-n-Myc/MYCN antibody (ab24193) at 1 µg/ml

Lane 1 : Heart (Human) Whole Cell Lysate - fetal normal tissue
([ab29432](#))

Lane 2 : Heart (Human) Nuclear Lysate - fetal normal tissue
([ab29428](#))

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat polyclonal to Rabbit IgG (Alexa Fluor® 680) at
1/10000 dilution

Performed under reducing conditions.

Predicted band size: 49 kDa

Observed band size: 49 kDa

Additional bands at: 25 kDa (possible cleavage fragment), 25 kDa (possible cross reactivity), 33 kDa (possible cleavage fragment), 33 kDa (possible cross reactivity), 39 kDa (possible cleavage fragment), 39 kDa (possible cross reactivity)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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