


Product datasheet

Anti-n-Myc/MYCN antibody ab217873

3 Images

Overview

Product name	Anti-n-Myc/MYCN antibody
Description	Rabbit polyclonal to n-Myc/MYCN
Host species	Rabbit
Tested applications	Suitable for: IHC-P, WB
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Synthetic peptide within Human n-Myc/MYCN aa 410-464 conjugated to keyhole limpet haemocyanin. The exact sequence is proprietary. Database link: P04198
Positive control	MCF7 and SK-N-SH cell lysates; Human brain and Human colon carcinoma tissues.
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

Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40 Preservative: 0.02% Proclin 300 Constituents: 50% Glycerol (glycerin, glycerine), 1% BSA, 48.98% TBS, 1X
Purity	Protein A purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab217873 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
IHC-P		1/100 - 1/500.
WB		1/100 - 1/1000. Predicted molecular weight: 50 kDa.

Target

Function

May function as a transcription factor.

Involvement in disease

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.

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.

Defects in MYCN are the cause of microcephaly and digital abnormalities with normal intelligence (MCPHDANI) [MIM:602585].

Sequence similarities

Contains 1 basic helix-loop-helix (bHLH) domain.

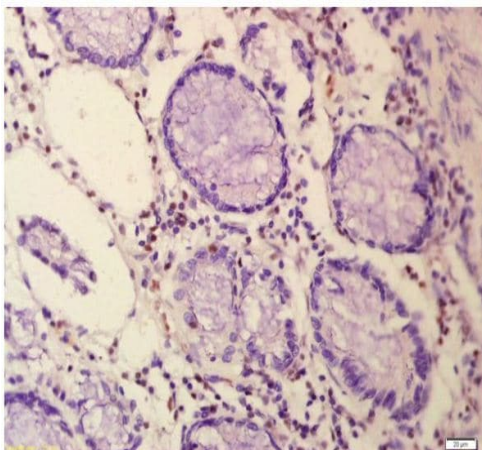
Developmental stage

Expressed during fetal development.

Cellular localization

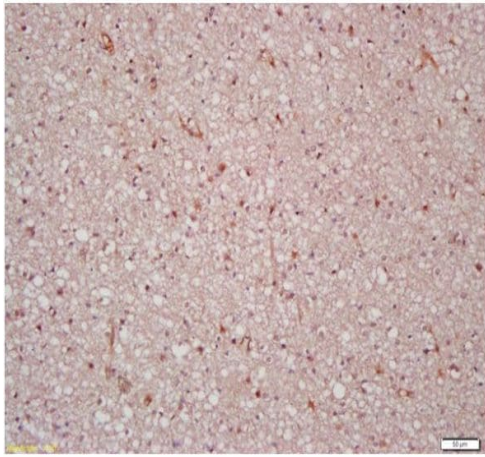
Nucleus.

Images



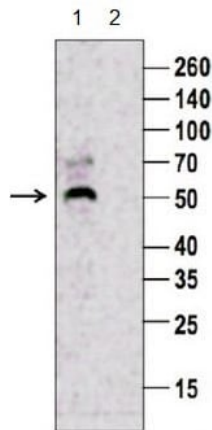
Immunohistochemical analysis of formalin-fixed, paraffin-embedded human colon carcinoma tissue labeling n-Myc/MYCN with ab217873 at 1/200 dilution followed by conjugation to the secondary antibody and DAB staining.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-n-Myc/MYCN antibody (ab217873)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-n-Myc/MYCN antibody (ab217873)

Immunohistochemical analysis of formalin-fixed, paraffin-embedded human brain tissue labeling n-Myc/MYCN with ab217873 at 1/200 dilution followed by conjugation to the secondary antibody and DAB staining.



Western blot - Anti-n-Myc/MYCN antibody (ab217873)

All lanes : Anti-n-Myc/MYCN antibody (ab217873) at 1/200 dilution

Lane 1 : MCF7 cell lysates

Lane 2 : SK-N-SH cell lysates

Secondary

All lanes : secondary antibody at 1/10000 dilution

Predicted band size: 50 kDa

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

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- We investigate all quality concerns to ensure our products perform to the highest standards

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