

Anti-n-Myc/MYCN antibody [EPR18982-8R-3] - ChIP Grade ab227822

リコンビナント RabMAb

1 References [画像数 4](#)

製品の概要

製品名	Anti-n-Myc/MYCN antibody [EPR18982-8R-3] - ChIP Grade
製品の詳細	Rabbit monoclonal [EPR18982-8R-3] to n-Myc/MYCN - ChIP Grade
由来種	Rabbit
アプリケーション	適用あり: ChIP, WB, IP
種交差性	交差種: Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	WB: IMR-32 whole cell lysate. IP: IMR-32 whole cell lysate. ChIP: Chromatin prepared from IMR-32 cells.
特記事項	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

製品の特性

製品の状態	Liquid
保存方法	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.
バッファー	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 0.05% BSA, 49% Glycerol (glycerin, glycerine), PBS
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR18982-8R-3

アプリケーション

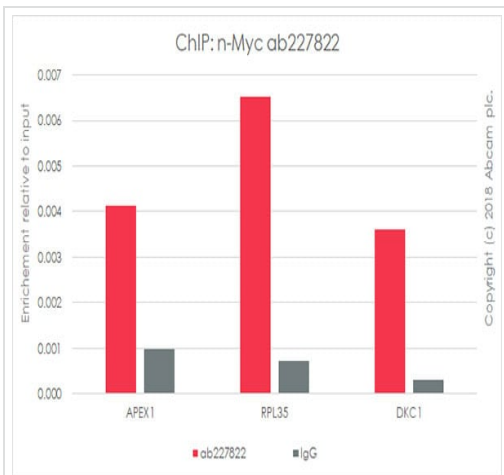
The Abpromise guarantee Abpromise保証は、次のテスト済みアプリケーションにおけるab227822の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

アプリケーション	Abreviews	特記事項
ChIP		Use 5 µg for 25 µg of chromatin.
WB		1/1000. Detects a band of approximately 49-62 kDa (predicted molecular weight: 50 kDa).
IP		1/30.

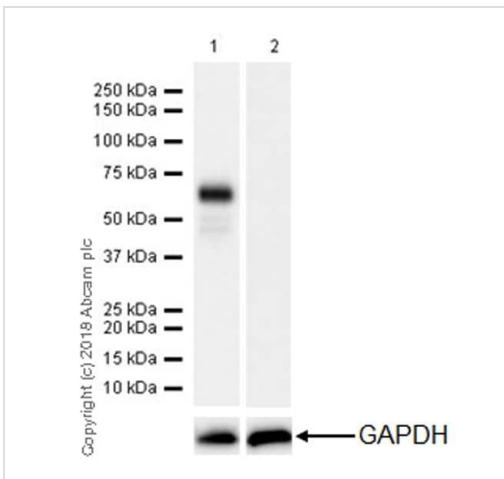
ターゲット情報

機能	May function as a transcription factor.
関連疾患	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].
配列類似性	Contains 1 basic helix-loop-helix (bHLH) domain.
発生段階	Expressed during fetal development.
細胞内局在	Nucleus.

画像



ChIP - Anti-n-Myc/MYCN antibody [EPR18982-8R-3]
- ChIP Grade (ab227822)



Western blot - Anti-n-Myc/MYCN antibody
[EPR18982-8R-3] - ChIP Grade (ab227822)

Chromatin was prepared from IMR-32 cells according to the Abcam X-ChIP protocol. Cells were fixed with formaldehyde for 10min. The ChIP was performed with 25 µg of chromatin, 5 µg of ab227822 (red), and 20 µl of Protein A/G sepharose beads. 5 µg of rabbit normal IgG was added to the beads control (gray). The immunoprecipitated DNA was quantified by real time PCR (SYBR green approach). Primers and probes are located in the first kb of the transcribed region.

All lanes : Anti-n-Myc/MYCN antibody [EPR18982-8R-3] - ChIP Grade (ab227822) at 1/1000 dilution

Lane 1 : IMR-32 (human neuroblastoma neuroblast cell line) whole cell lysate

Lane 2 : HeLa (human epithelial cell line from cervix adenocarcinoma) whole cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/100000 dilution

Predicted band size: 50 kDa

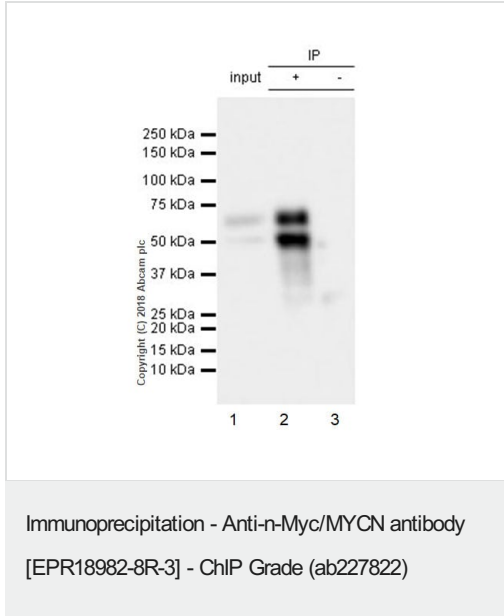
Observed band size: 62 kDa

Exposure time: 103 seconds

Blocking and dilution buffer: 5% NFDm/TBST

The expression profile observed is consistent with what has been described in the literature (PMID: 11034201; PMID: 27197171; PMID: 23792191).

Negative control: HeLa (PMID: 27197171).



n-Myc/MYCN was immunoprecipitated from 0.35 mg of IMR-32 (human neuroblastoma neuroblast cell line) whole cell lysate with ab227822 at 1/30 dilution. Western blot was performed from the immunoprecipitate using ab227822 at 1/500 dilution. VeriBlot for IP Detection Reagent (HRP) ([ab131366](#)), was used for detection at 1/1000 dilution.

Lane 1: IMR-32 whole cell lysate 10 µg (Input).

Lane 2: ab227822 IP in IMR-32 whole cell lysate.

Lane 3: Rabbit monoclonal IgG ([ab172730](#)) instead of ab227822 in IMR-32 whole cell lysate

Blocking and dilution buffer and concentration: 5% NFDm/TBST.

Exposure time: 3 seconds.

The expression profile observed is consistent with what has been described in the literature (PMID: 17938259; PMID: 2657399).

Why choose a recombinant antibody?

- Research with confidence**
Consistent and reproducible results
- Long-term and scalable supply**
Recombinant technology
- Success from the first experiment**
Confirmed specificity
- Ethical standards compliant**
Animal-free production

Anti-n-Myc/MYCN antibody [EPR18982-8R-3] - ChIP Grade (ab227822)

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