abcam

Product datasheet

Anti-NeuroD1 antibody [3H8] - BSA and Azide free ab60704

15 Abreviews 51 References 画像数 4

製品の概要

製品名	Anti-NeuroD1 antibody [3H8] - BSA and Azide free
製品の詳細	Mouse monoclonal [3H8] to NeuroD1 - BSA and Azide free
由来種	Mouse
アプリケーション	**適用あり:** IHC-P, WB, Flow Cyt
種交差性	**交差種:** Human **交差が予測される動物種:** Rat, Sheep, Cow
免疫原	Recombinant fragment with tag: QDMPPHLPTA SASFPVHPYS YQSPGLPSPP YGTMDSSHVF HVKPPPHAYS AALEPFFESP LTDCTSPSFD GPLSPPLSIN GNFSFKHEPS AEFEKNYAFT , corresponding to amino acids 201-300 of Human NeuroD1 Run BLAST with ExPASy Run BLAST with NCBI
ポジティブ・コントロール	IMR-32 (human neuroblastoma) whole cell lysate and human ovary, clear cell carcinoma tissue.
特記事項	This product was changed from ascites to tissue culture supernatant on 15 May 2019. Please note that the dilutions may need to be adjusted accordingly. If you have any questions, please do not hesitate to contact our scientific support team. 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. 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

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
バッファー	pH: 7.4 Constituent: PBS
キャリア・フリー	はい
精製度	Protein A purified

ポリ/モノ	モノクローナル
クローン名	3H8
アイソタイプ	IgG2a

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ab60704の使用に適用されます

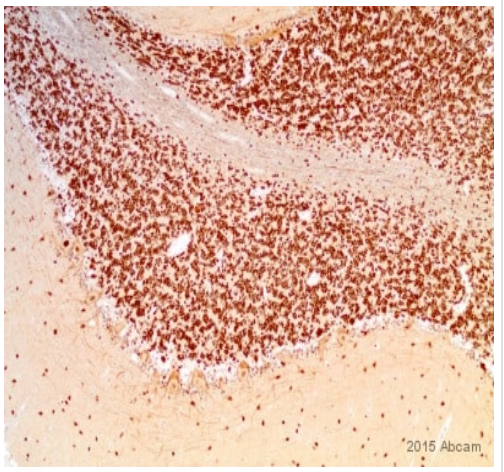
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
IHC-P	★★★★★ (5)	Use at an assay dependent concentration.
WB	★★★☆☆ (1)	Use at an assay dependent concentration. Detects a band of approximately 40 kDa (predicted molecular weight: 40 kDa).
Flow Cyt	★★★★★ (1)	Use at an assay dependent concentration. **ab170191** - Mouse monoclonal IgG2a, is suitable for use as an isotype control with this antibody.

ターゲット情報

機能	Differentiation factor required for dendrite morphogenesis and maintenance in the cerebellar cortex. Transcriptional activator. Binds to the insulin gene E-box.
関連疾患	Defects in NEUROD1 are the cause of maturity-onset diabetes of the young type 6 (MODY6) [MIM:606394]. MODY is a form of diabetes that is characterized by an autosomal dominant mode of inheritance, onset in childhood or early adulthood (usually before 25 years of age), a primary defect in insulin secretion and frequent insulin-independence at the beginning of the disease.
配列類似性	Contains 1 basic helix-loop-helix (bHLH) domain.
翻訳後修飾	Phosphorylated. In islet cells, phosphorylated on Ser-274 upon glucose stimulation; which may be required for nuclear localization. In activated neurons, phosphorylated on Ser-335; which promotes dendritic growth.
細胞内局在	Cytoplasm. Nucleus.

画像

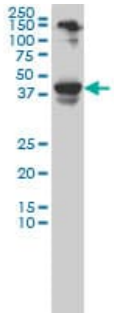


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NeuroD1 antibody [3H8] - BSA and Azide free (ab60704)

This image is courtesy of an anonymous Abreview.

Immunohistochemical analysis of formaldehyde fixed human cerebellum sections incubated with ab60704 for 20 minutes at 25°C in a concentration of 1/400. The blocking step was performed with 3% H_2O_2 for 10 minutes at 25ºC. The secondary antibody used was a polyclonal goat anti-mouse/rabbit HRP conjugate, used undiluted.

This image was generated using the ascites version of the product.



Western blot - Anti-NeuroD1 antibody [3H8] - BSA and Azide free (ab60704)

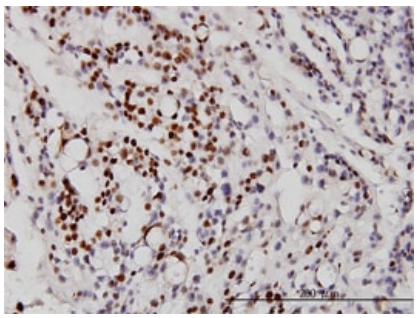
Anti-NeuroD1 antibody [3H8] - BSA and Azide free (ab60704) + IMR-32 (Human Caucasian neuroblastoma) whole cell lysate at 50 µg

Secondary
Goat Anti-Mouse IgG HRP at 1/2500 dilution

Developed using the ECL technique.

Predicted band size: 40 kDa
Observed band size: 40 kDa
Additional bands at: 150 kDa. We are unsure as to the identity of these extra bands.

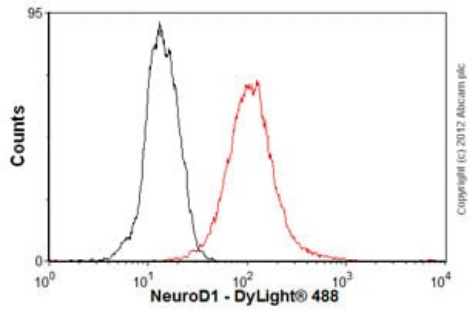
This image was generated using the ascites version of the product.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NeuroD1 antibody [3H8] - BSA and Azide free (ab60704)

ab60704 at 3ug/ml staining NeuroD1 in human ovary, clear cell carcinoma by Immunohistochemistry, Formalin-fixed Paraffin-embedded tissue.

This image was generated using the ascites version of the product.



Flow Cytometry - Anti-NeuroD1 antibody [3H8] - BSA and Azide free (ab60704)

Overlay histogram showing SHSY-5Y cells stained with ab60704 (red line). The cells were fixed with 4% paraformaldehyde (10 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab60704, 0.5µg/1x10^6 cells) for 30 min at 22ºC. The secondary antibody used was DyLight® 488 goat anti-mouse IgG (H+L) (**ab96879**) at 1/500 dilution for 30 min at 22ºC. Isotype control antibody (black line) was mouse IgG2a [ICIGG2A] (**ab91361**, 1µg/1x10^6 cells) used under the same conditions. Acquisition of >5,000 events was performed. This antibody gave a positive signal in SHSY-5Y cells fixed with 80% methanol (5 min)/permeabilized with 0.1% PBS-Tween for 20 min used under the same conditions.

This image was generated using the ascites version of the product.

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