


HRP Anti-CNPase antibody [11-5B] ab201678

敲除 验证

3 图像

概述

产品名称	HRP Anti-CNPase抗体[11-5B]
描述	HRP小鼠单克隆抗体[11-5B] to CNPase
宿主	Mouse
偶联物	HRP
经测试应用	适用于: WB, IHC-P
种属反应性	与反应: Mouse, Rat, Human 预测可用于: Sheep, Rabbit, Cow, Dog, Pig, Rhesus monkey  不与反应: Chicken, Guinea pig
免疫原	Full length native protein (purified) corresponding to Human CNPase.
阳性对照	WB: Human, Mouse and Rat Spinal Cord and Brain tissue lysates. IHC-P: FFPE human normal cerebral cortex tissue sections.
常规说明	<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>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Stable for 12 months at -20°C. Store In the Dark.
存储溶液	pH: 7.40 Preservative: 0.1% Proclin 300 Solution Constituents: PBS, 30% Glycerol (glycerin, glycerine), 1% BSA Batches contain 0.4M arginine.

纯度	Affinity purified
克隆	单克隆
克隆编号	11-5B
同种型	IgG1

应用

The Abpromise guarantee **Abpromise™** 承诺保证使用 ab201678 于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		1/5000. Detects a band of approximately 48 kDa (predicted molecular weight: 48 kDa).
IHC-P		1/100. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

靶标

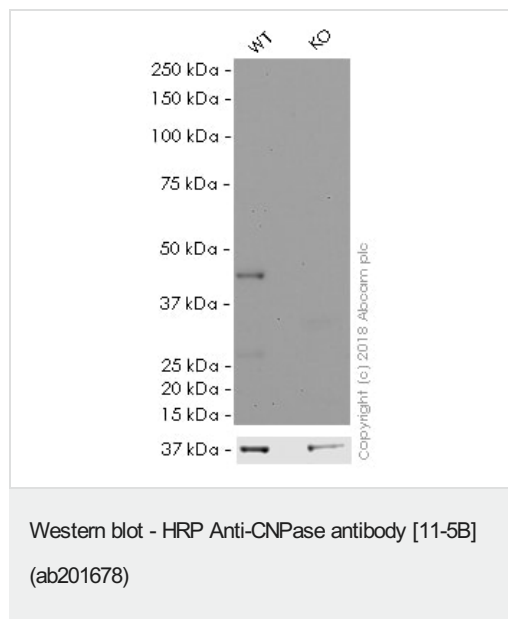
序列相似性

Belongs to the cyclic nucleotide phosphodiesterase family.

细胞定位

Membrane. Melanosome. Firmly bound to membrane structures of brain white matter. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

图片



All lanes : HRP Anti-CNPase antibody [11-5B] (ab201678) at 1/5000 dilution

Lane 1 : Wild-type HAP1 whole cell lysate

Lane 2 : CNPase knockout HAP1 whole cell lysate

Lysates/proteins at 20 µg per lane.

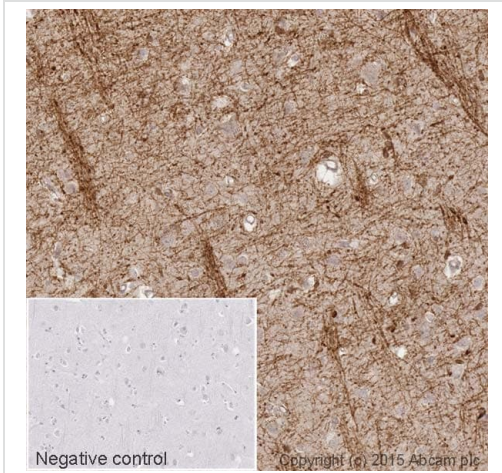
Predicted band size: 48 kDa

Observed band size: 48 kDa

Exposure time: 20 minutes

ab201678 was shown to specifically react with CNPase in wild-type HAP1 cells as signal was lost in CNPase knockout cells. Wild-type and CNPase knockout samples were subjected to SDS-PAGE.

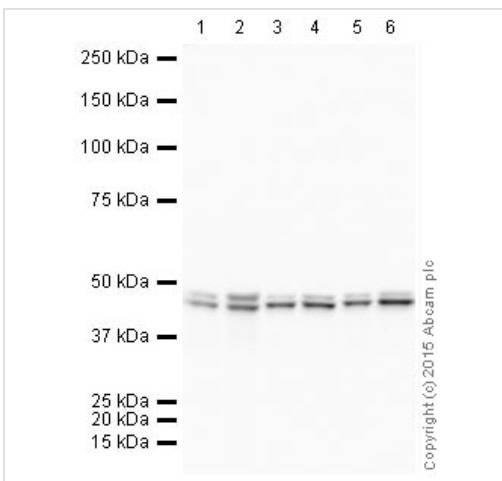
Ab201678 and **ab184095** (Mouse monoclonal [mAbcam 9484] to GAPDH - Loading Control (Alexa Fluor® 680) loading control) were incubated overnight at 4°C at 1/5000 dilution and 1/1000 dilution respectively. The loading control was imaged using the Licor Odyssey CLx prior to blots being developed with ECL technique.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - HRP Anti-CNPase antibody [11-5B] (ab201678)

IHC image of CNPase staining in a section of formalin-fixed paraffin-embedded human normal cerebral cortex*. The section was pre-treated using pressure cooker heat mediated antigen retrieval with sodium citrate buffer (pH6) for 30mins, and incubated overnight at +4°C with ab201678 at 1/100 dilution. DAB was used as the chromogen (**ab103723**), diluted 1/100 and incubated for 10min at room temperature. The section was counterstained with haematoxylin and mounted with DPX. The inset negative control image is taken from an identical assay without primary antibody.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.



Western blot - HRP Anti-CNPase antibody [11-5B] (ab201678)

All lanes : HRP Anti-CNPase antibody [11-5B] (ab201678) at 1/5000 dilution

- Lane 1** : Brain (Human) Tissue Lysate - adult normal tissue
- Lane 2** : Spinal Cord (Human) Tissue Lysate - adult normal tissue
- Lane 3** : Brain (Mouse) Tissue Lysate
- Lane 4** : Spinal Cord (Mouse) Tissue Lysate
- Lane 5** : Brain (Rat) Tissue Lysate
- Lane 6** : Spinal Cord (Rat) Tissue Lysate

Lysates/proteins at 10 µg per lane.

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 48 kDa

Observed band size: 48 kDa

Exposure time: 6 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 ab201678 overnight at 4°C. Antibody binding was visualised using ECL development solution **ab133406**.

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

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