

Anti-160 kD Neurofilament Medium (phospho S614 + S619) antibody [EPR580(2)Y] ab68142

重组 RabMAb

3 图像

概述

产品名称	Anti-160 kD Neurofilament Medium (phospho S614 + S619)抗体[EPR580(2)Y]
描述	兔单克隆抗体[EPR580(2)Y] to 160 kD Neurofilament Medium (phospho S614 + S619)
宿主	Rabbit
经测试应用	适用于: WB, IHC-P 不适用于: Flow Cyt, ICC/IF or IP
种属反应性	与反应: Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	SH-SY5Y cell lysates; human brain tissue
常规说明	This product is a recombinant monoclonal antibody, which offers several advantages including: <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 For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR580(2)Y

同种型

lgG

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab68142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		
IHC-P		

应用说明

IHC-P: 1/100 - 1/250.
WB: 1/500. Detects a band of approximately 160 kDa (predicted molecular weight: 102 kDa).

Is unsuitable for Flow Cyt, ICC or IP.

Not yet tested in other applications.
Optimal dilutions/concentrations should be determined by the end user.

靶标

功能

Neurofilaments usually contain three intermediate filament proteins: L, M, and H which are involved in the maintenance of neuronal caliber.

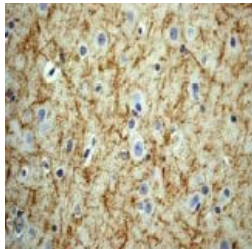
序列相似性

Belongs to the intermediate filament family.

翻译后修饰

There are a number of repeats of the tripeptide K-S-P, NFM is phosphorylated on a number of the serines in this motif. It is thought that phosphorylation of NFM results in the formation of interfilament cross bridges that are important in the maintenance of axonal caliber. Phosphorylation seems to play a major role in the functioning of the larger neurofilament polypeptides (NF-M and NF-H), the levels of phosphorylation being altered developmentally and coincidentally with a change in the neurofilament function.
Phosphorylated in the head and rod regions by the PKC kinase PKN1, leading to the inhibition of polymerization.

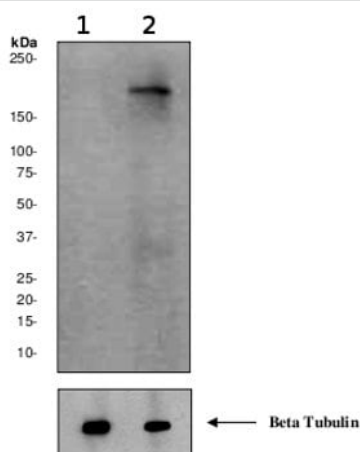
图片



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-160 kD Neurofilament Medium (phospho S614 + S619) antibody [EPR580(2)Y] (ab68142)

Immunohistochemical analysis of paraffin-embedded human brain tissue using ab68142 at a dilution of 1/100 - 1/250

Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.



Western blot - Anti-160 kD Neurofilament Medium (phospho S614 + S619) antibody [EPR580(2)Y] (ab68142)

All lanes : Anti-160 kD Neurofilament Medium (phospho S614 + S619) antibody [EPR580(2)Y] (ab68142) at 1/500 dilution

Lane 1 : SH-SY5Y cell lysate treated with Alkaline phosphatase

Lane 2 : Untreated SH-SY5Y cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : HRP conjugated Goat anti-rabbit at 1/2000 dilution

Predicted band size: 102 kDa

Observed band size: 160 kDa

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

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

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