

Anti-nNOS (neuronal) antibody ab6175

6 References **1 图像**

概述

产品名称	Anti-nNOS (neuronal)抗体
描述	羊多克隆抗体to nNOS (neuronal)
宿主	Sheep
特异性	Reacts with nNOS. Cross-reactivity with iNOS or eNOS not known, but not expected.
经测试应用	适用于: IHC-Fr
种属反应性	与反应: Rat
免疫原	Synthetic peptide: RSESIAFIEESKKDADEVFSS conjugated to KLH by a Glutaraldehyde linker, corresponding to amino acids 1409-1429 of Rat NOS1 (nNOS).



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常规说明

This antibody is a high quality immunohistochemical reagent that has been used for studies in both the peripheral and central nervous system. It is also useful for double label studies when combined with rabbit or other primary antibodies.

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

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Add glycerol to a final volume of 50% for extra stability and aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
纯度	Whole antiserum
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab6175于以下的经测试应用

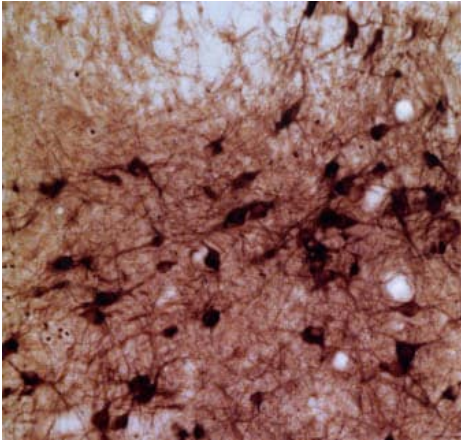
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IHC-Fr		1/100 - 1/2000.

靶标

功能	Produces nitric oxide (NO) which is a messenger molecule with diverse functions throughout the body. In the brain and peripheral nervous system, NO displays many properties of a neurotransmitter. Probably has nitrosylase activity and mediates cysteine S-nitrosylation of cytoplasmic target proteins such SRR.
组织特异性	Isoform 1 is ubiquitously expressed: detected in skeletal muscle and brain, also in testis, lung and kidney, and at low levels in heart, adrenal gland and retina. Not detected in the platelets. Isoform 3 is expressed only in testis. Isoform 4 is detected in testis, skeletal muscle, lung, and kidney, at low levels in the brain, but not in the heart and adrenal gland.
序列相似性	Belongs to the NOS family. Contains 1 FAD-binding FR-type domain. Contains 1 flavodoxin-like domain. Contains 1 PDZ (DHR) domain.
结构域	The PDZ domain in the N-terminal part of the neuronal isoform participates in protein-protein interaction, and is responsible for targeting nNos to synaptic membranes in muscles. Mediates interaction with VAC14.
翻译后修饰	Ubiquitinated; mediated by STUB1/CHIP in the presence of Hsp70 and Hsp40 (in vitro).
细胞定位	Cell membrane > sarcolemma. Cell projection > dendritic spine. In skeletal muscle, it is localized beneath the sarcolemma of fast-twitch muscle fiber by associating with the dystrophin glycoprotein complex. In neurons, enriched in dendritic spines.

图片



Rat brain stem tissue staining for nNOS with ab6175 (1:2000)
(perfusion fixed frozen sections).

Immunohistochemistry (Frozen sections) - Anti-nNOS (neuronal) antibody (ab6175)

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

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