




Anti-Dopamine Receptor D1 antibody ab40653

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概述

产品名称	Anti-Dopamine Receptor D1抗体
描述	兔多克隆抗体to Dopamine Receptor D1
宿主	Rabbit
特异性	This antibody shows reactivity with: D1 Dopamine Receptor (9-21) 100%; D1 Dopamine Receptor 90%; D2 Dopamine Receptor (272-282) 0%; D2 Dopamine Receptor 0%; D3 Dopamine Receptor (2-10) 0%; D3 Dopamine Receptor 0%; D4 Dopamine Receptor (176-185) 0%; D4 Dopamine Receptor 0%; D5 Dopamine Receptor (23-35) 0%; and D5 Dopamine Receptor 0%.
经测试应用	适用于: ICC/IF, WB, IHC-P
种属反应性	与反应: Rat, Human 预测可用于: Mouse, Cow, Pig, Macaque monkey, Rhesus monkey 
免疫原	Synthetic peptide corresponding to Human Dopamine Receptor D1 aa 1-100 (Cysteine residue).  Run BLAST with  Run BLAST with 
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	Lyophilized:Reconstitute with 0.1ml of PBS which contains 10 mg/ml BSA.
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	Constituent: Whole serum
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 ab40653 于以下的经测试应用

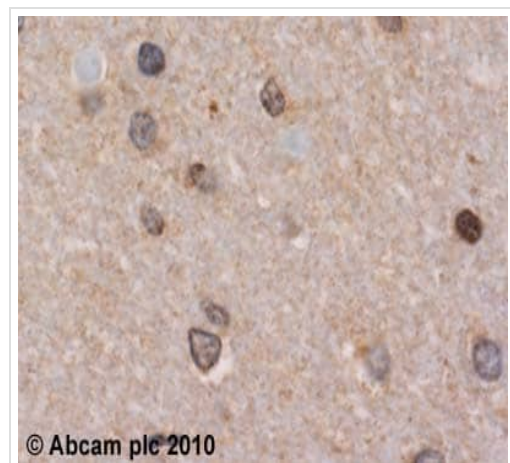
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
ICC/IF		Use at an assay dependent concentration.
WB		1/1000. Detects a band of approximately 49 kDa (predicted molecular weight: 49 kDa). With this antibody, we have found that blocking with 5% goat or donkey serum significantly reduces background as compared to BSA or milk.
IHC-P		1/500.

靶标

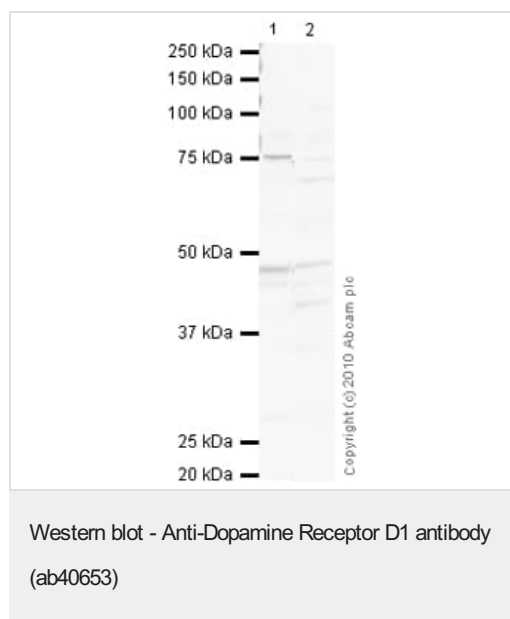
功能	Dopamine receptor whose activity is mediated by G proteins which activate adenylyl cyclase.
组织特异性	Detected in caudate, nucleus accumbens and in the olfactory tubercle.
序列相似性	Belongs to the G-protein coupled receptor 1 family.
细胞定位	Cell membrane. Endoplasmic reticulum membrane. Transport from the endoplasmic reticulum to the cell surface is regulated by interaction with DNAJC14.

图片



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Dopamine Receptor D1 antibody (ab40653)

ab40653 (1:500) staining Dopamine Receptor D1 in human cerebellum using an automated system (DAKO Autostainer Plus). Using this protocol there is strong staining of cytoplasmic and membrane regions in the fibrous glial cells. Sections were rehydrated and antigen retrieved with the Dako 3 in 1 AR buffer EDTA pH 9.0 in a DAKO PT link. Slides were peroxidase blocked in 3% H₂O₂ in methanol for 10 mins. They were then blocked with Dako Protein block for 10 minutes (containing casein 0.25% in PBS) then incubated with primary antibody for 20 min and detected with Dako envision flex amplification kit for 30 minutes. Colorimetric detection was completed with Diaminobenzidine for 5 minutes. Slides were counterstained with Haematoxylin and coverslipped under DePeX. Please note that, for manual staining, optimization of primary antibody concentration and incubation time is recommended. Signal amplification may be required.



All lanes : Anti-Dopamine Receptor D1 antibody (ab40653) at 1/1000 dilution

Lane 1 : Human brain tissue lysate - total protein ([ab29466](#))

Lane 2 : Rat Cortex Tissue Lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat polyclonal to Rabbit IgG - H&L - Pre-Adsorbed (HRP) at 1/3000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 49 kDa

Observed band size: 49 kDa

Additional bands at: 42 kDa, 75 kDa. We are unsure as to the identity of these extra bands.

Exposure time: 90 seconds

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

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