


Anti-DARPP32 antibody [EP720Y] ab40801

重组 RabMAb

★★★★☆ [11 Abreviews](#) [96 References](#) [10 图像](#)

概述

产品名称	Anti-DARPP32抗体[EP720Y]
描述	兔单克隆抗体[EP720Y] to DARPP32
宿主	Rabbit
经测试应用	适用于: ICC/IF, WB, IHC-P, IP
种属反应性	与反应: Mouse, Rat, Human 预测可用于: Pig 
免疫原	Synthetic peptide within Human DARPP32 aa 1-100 (N terminal). The exact sequence is proprietary. Database link: Q9UD71 (Peptide available as ab189245)
阳性对照	IHC-P: Human breast adenocarcinoma tissue and colon tissue. Mouse and rat cerebral cortex tissue. ICC/IF: Mouse brain tissue. WB: Rat hippocampus and brain tissue lysate. Mouse cerebral cortex tissue lysate. Human fetal brain lysate. IP: Rat brain whole cell lysate. IHC-Wm: Mouse brain tissue. IHC-Fr: Pig brain tissue.
常规说明	<p>Protein phosphatase 1 regulatory subunit 1B (PPP1R1B) is a protein that in humans is encoded by the PPP1R1B gene. This gene, also known as DARPP-32, has a role as a dopamine- and cyclic AMP-regulated phosphoprotein. As such PPP1R1B affects dopamine glutamate and adenosine; and potentially has a role in conditions such as schizophrenia and Parkinson's disease.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <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 <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</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. Avoid freeze / thaw cycle.
存储溶液	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 40% Glycerol, 0.05% BSA, 59% PBS
纯度	Protein A purified
克隆	单克隆
克隆编号	EP720Y
同种型	IgG

应用

The Abpromise guarantee **Abpromise™** 承诺保证使用 ab40801 于以下的经测试应用

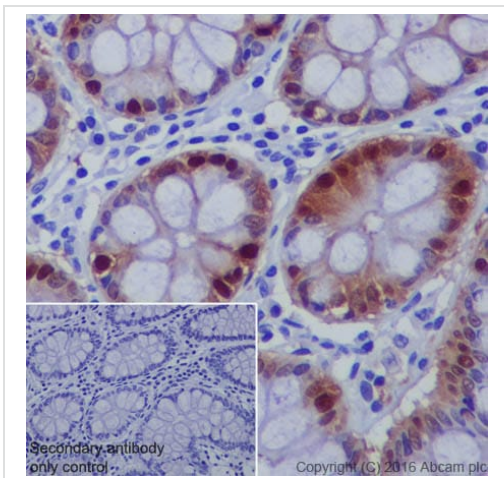
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
ICC/IF	★★★★★ (2)	1/50 - 1/100.
WB	★★★★★ (3)	1/1000. Detects a band of approximately 32 kDa (predicted molecular weight: 32 kDa). For unpurified use at 1/5000 - 1/50 000.
IHC-P		1/50. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol. See <u>IHC antigen retrieval protocols</u> .
IP		1/20. For unpurified use at 1/50.

靶标

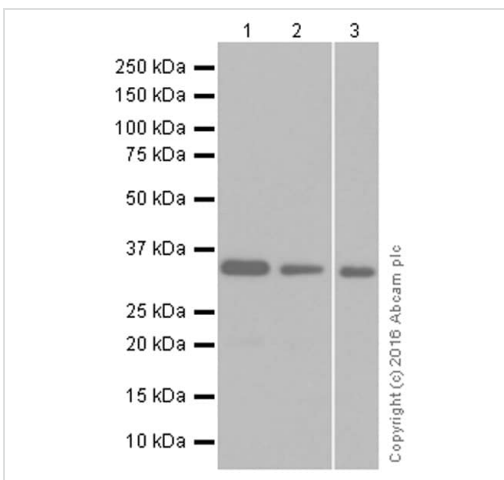
功能	Inhibitor of protein-phosphatase 1.
序列相似性	Belongs to the protein phosphatase inhibitor 1 family.
翻译后修饰	Dopamine- and cyclic AMP-regulated neuronal phosphoprotein. Phosphorylation of Thr-34 is required for activity.
细胞定位	Cytoplasm.

图片



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DARPP32 antibody [EP720Y] (ab40801)

Immunohistochemical analysis of paraffin-embedded human colon sections labelling DARPP32 with purified ab40801 at dilution of 1/50. The secondary antibody used was **ab97051**; a goat anti-rabbit IgG H&L (HRP) at dilution of 1/500. The sample was counterstained with hematoxylin. Antigen retrieval was performed using EDTA Buffer; pH 9.0. PBS was used instead of the primary antibody as the negative control and is shown in the inset.



Western blot - Anti-DARPP32 antibody [EP720Y] (ab40801)

All lanes : Anti-DARPP32 antibody [EP720Y] (ab40801) at 1/50000 dilution (purified)

Lane 1 : Rat hippocampus tissue lysate

Lane 2 : Rat brain tissue lysate

Lane 3 : Mouse cerebral cortex tissue lysate

Lysates/proteins at 20 µg per lane.

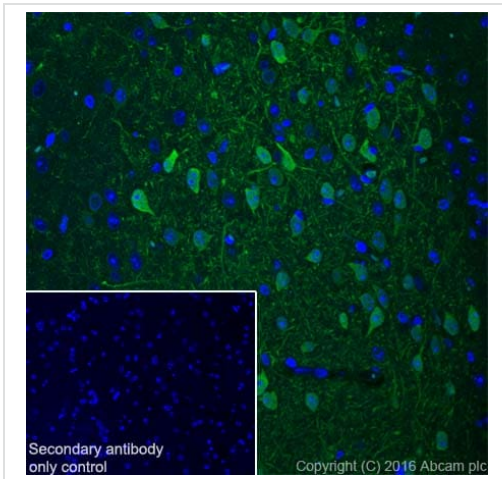
Secondary

All lanes : Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/2000 dilution

Predicted band size: 32 kDa

Observed band size: 32 kDa

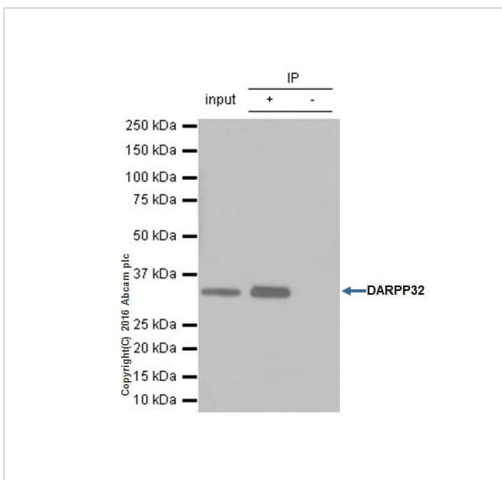
Blocking/Diluting buffer 5% NFDm/TBST.



Immunocytochemistry/ Immunofluorescence - Anti-DARPP32 antibody [EP720Y] (ab40801)

Immunocytochemistry/Immunofluorescence analysis of mouse brain tissue labelling DARPP32 with purified ab40801 at 1/100 (3.4 µg/mL). Cells were fixed with 4% Paraformaldehyde and permeabilized with 0.2% Triton X-100. Antigen retrieval was performed with Heated citrate solution (10mM citrate PH 6.0 + 0.05% Tween-20). **ab150077**, Alexa Fluor® 488-conjugated goat anti-rabbit IgG (1/1000, 2 µg/mL) was used as the secondary antibody.

Secondary Only Control: PBS was used instead of the primary antibody as the negative control and is shown in the inset.



Immunoprecipitation - Anti-DARPP32 antibody [EP720Y] (ab40801)

ab40801 at 1/20 immunoprecipitating DARPP32 in rat brain whole cell lysate observed at 32 KDa (lanes 1 and 2).

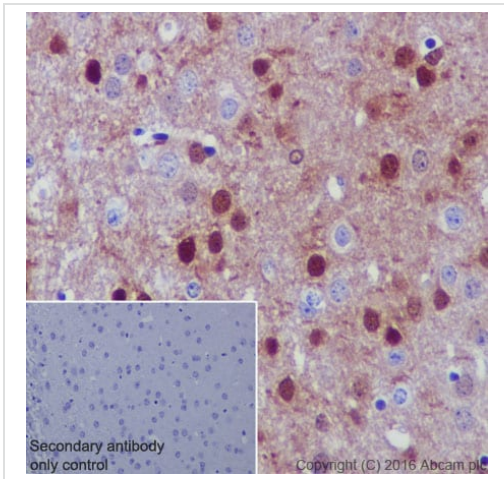
Lane 1: Rat brain whole cell lysate 10µg.

Lane 2: ab40801 IP in rat brain whole cell lysate.

Lane 3: Rabbit monoclonal IgG (**ab172730**) instead of ab40801 in rat brain whole cell lysate.

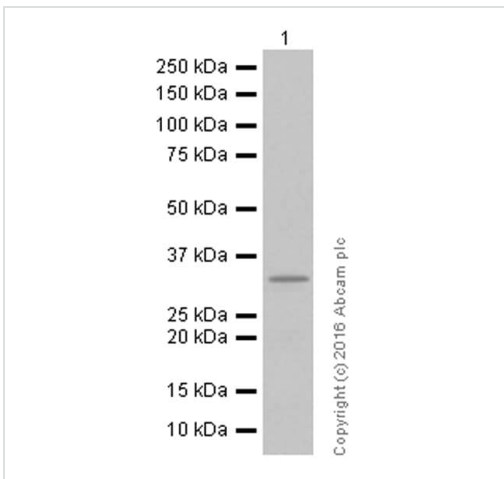
For western blotting, **ab131366** VeriBlot for IP (HRP) was used for detection (1/1000).

Blocking/Dilution buffer and concentration: 5% NFDm/TBST.



Immunohistochemical analysis of paraffin-embedded mouse cerebral cortex sections labelling DARPP32 with purified ab40801 at dilution of 1/50. The secondary antibody used was **ab97051**; a goat anti-rabbit IgG H&L (HRP) at dilution of 1/500. The sample was counterstained with hematoxylin. Antigen retrieval was performed using EDTA Buffer; pH 9.0. PBS was used instead of the primary antibody as the negative control and is shown in the inset.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DARPP32 antibody [EP720Y] (ab40801)



Anti-DARPP32 antibody [EP720Y] (ab40801) at 1/1000 dilution (purified) + Human fetal brain lysate at 15 µg

Secondary

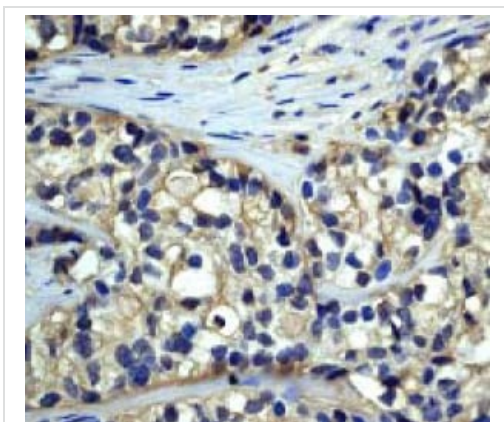
Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/2000 dilution

Predicted band size: 32 kDa

Observed band size: 32 kDa

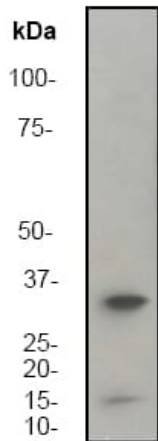
Western blot - Anti-DARPP32 antibody [EP720Y] (ab40801)

Blocking/Diluting buffer 5% NFDm/TBST



Immunohistochemical analysis of human breast adenocarcinoma sections labelling DARPP32 with unpurified ab40801 at a dilution of 1/50.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DARPP32 antibody [EP720Y] (ab40801)

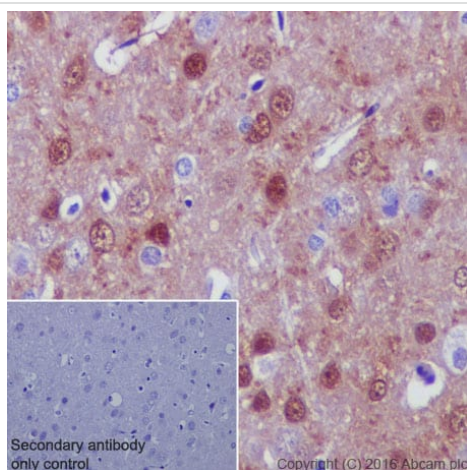


Anti-DARPP32 antibody [EP720Y] (ab40801) at 1/50000 dilution (unpurified) + Rat brain lysate at 10 µg

Predicted band size: 32 kDa

Observed band size: 32 kDa

Western blot - Anti-DARPP32 antibody [EP720Y] (ab40801)



Immunohistochemical analysis of paraffin-embedded rat cerebral cortex sections labelling DARPP32 with purified ab40801 at dilution of 1/50. The secondary antibody used was **ab97051**; a goat anti-rabbit IgG H&L (HRP) at dilution of 1/500. The sample was counterstained with hematoxylin. Antigen retrieval was performed using EDTA Buffer; pH 9.0. PBS was used instead of the primary antibody as the negative control and is shown in the inset.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DARPP32 antibody [EP720Y] (ab40801)

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

Anti-DARPP32 antibody [EP720Y] (ab40801)

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

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