


# Anti-DARPP32 antibody [EP720Y] - BSA and Azide free ab220808

重组 RabMAb

[18 References](#) [7 图像](#)

### 概述

产品名称	Anti-DARPP32抗体[EP720Y] - BSA and Azide free
描述	兔单克隆抗体[EP720Y] to DARPP32 - BSA and Azide free
宿主	Rabbit
经测试应用	适用于: WB, IHC-P, ICC/IF, IP
种属反应性	与反应: Mouse, Rat, Human 预测可用于: Pig 
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	Rat brain, cerebral cortex and hippocampus tissue; Mouse brain and cerebral cortex tissue; Human breast adenocarcinoma; Human fetal brain tissue lysate; Human colon tissue; pig brain tissue.
常规说明	<p>ab220808 is the carrier-free version of <a href="#">ab40801</a>.</p> <p>Our <b>carrier-free</b> antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our <b>conjugation kits</b> for antibody conjugates that are ready-to-use in as little as 20 minutes with &lt;1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar<sup>®</sup> Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar<sup>®</sup> is a trademark of Fluidigm Canada Inc.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p>

### 性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C. Do Not Freeze.
存储溶液	pH: 7.20 Constituent: PBS
无载体	是
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ab220808于以下的经测试应用

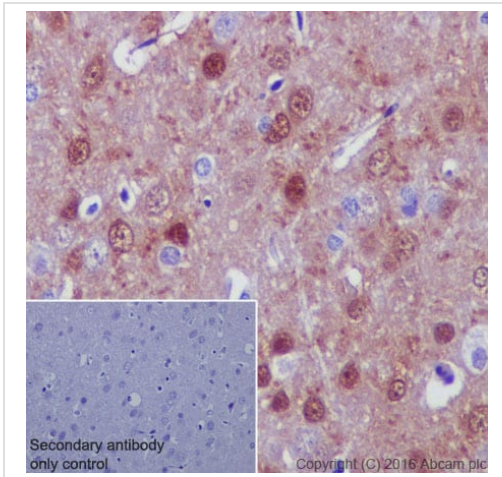
“应用说明”部分下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		Use at an assay dependent concentration. Detects a band of approximately 32 kDa (predicted molecular weight: 32 kDa).
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol. See <b><u>IHC antigen retrieval protocols</u></b> .
ICC/IF		Use at an assay dependent concentration.
IP		Use at an assay dependent concentration.

## 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.

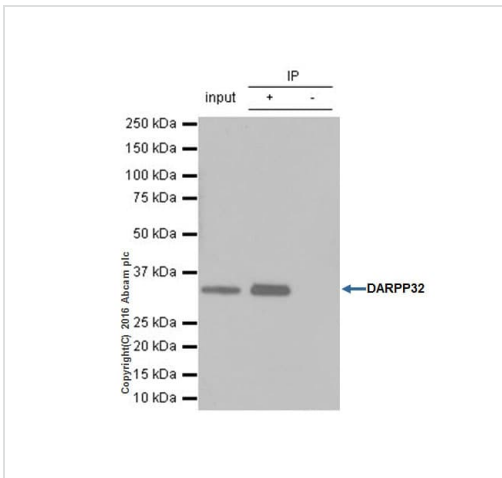
## 图片



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DARPP32 antibody [EP720Y] - BSA and Azide free (ab220808)

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.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab40801**).



Immunoprecipitation - Anti-DARPP32 antibody [EP720Y] - BSA and Azide free (ab220808)

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

**Lane 1 (input):** Rat brain whole cell lysate 10µg

**Lane 2 (+):** **ab40801** + Rat brain whole cell lysate.

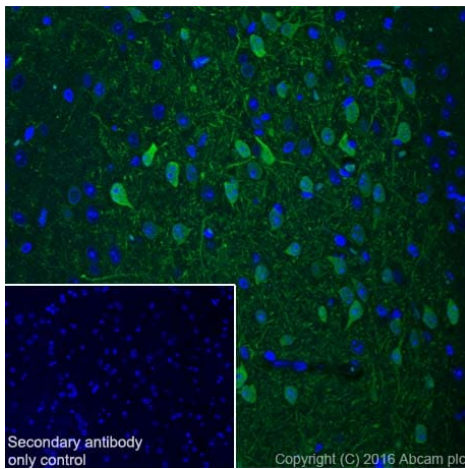
**Lane 3 (-):** Rabbit monoclonal IgG (**ab172730**) instead of **ab40801** in Rat brain whole cell lysate

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

Blocking buffer and concentration: 5% NFDN/TBST.

Diluting buffer and concentration: 5% NFDN /TBST.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab40801**).

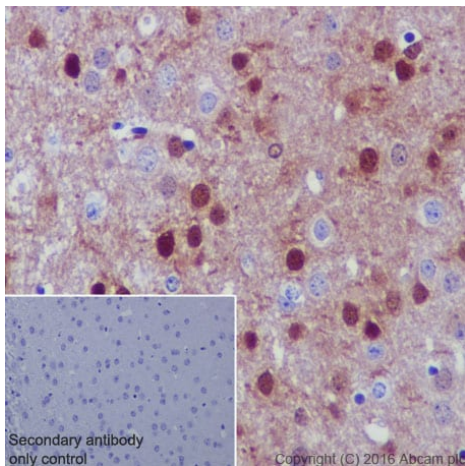


Immunocytochemistry/ Immunofluorescence - Anti-DARPP32 antibody [EP720Y] - BSA and Azide free (ab220808)

Immunocytochemistry/Immunofluorescence analysis of mouse brain tissue lysate 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.

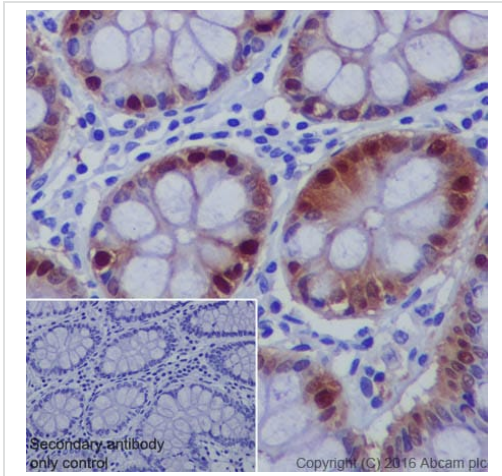
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab40801**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DARPP32 antibody [EP720Y] - BSA and Azide free (ab220808)

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.

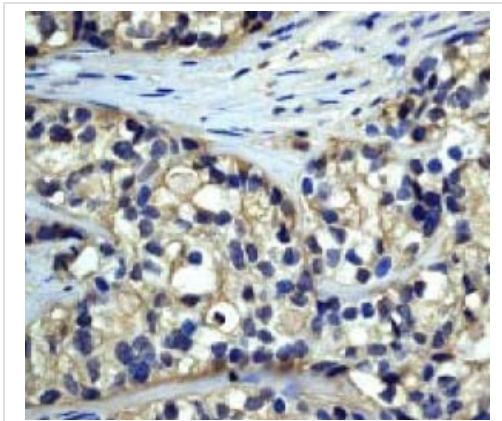
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab40801**).



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.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab40801**).

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DARPP32 antibody [EP720Y] - BSA and Azide free (ab220808)



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

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab40801**).

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DARPP32 antibody [EP720Y] - BSA and Azide free (ab220808)

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Anti-DARPP32 antibody [EP720Y] - BSA and Azide free (ab220808)

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