

### Anti-DRAK2 antibody [EPR3163Y] ab108373

敲除验证
重组
RabMAb

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#### 概述

产品名称	Anti-DRAK2抗体[EPR3163Y]
描述	兔单克隆抗体[EPR3163Y] to DRAK2
宿主	Rabbit
经测试应用	适用于: WB, IP, ICC/IF
种属反应性	与反应: Mouse, Rat, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	Jurkat and Ramos cell lysates
常规说明	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</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> <p>Rat: We have preliminary internal testing data to indicate this antibody may not react with this species. Please contact us for more information.</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. Stable for 12 months at -20°C.
存储溶液	<p>pH: 7.20</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 50% Glycerol (glycerin, glycerine), 0.05% BSA, 49% PBS</p>
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR3163Y

同种型IgG

应用

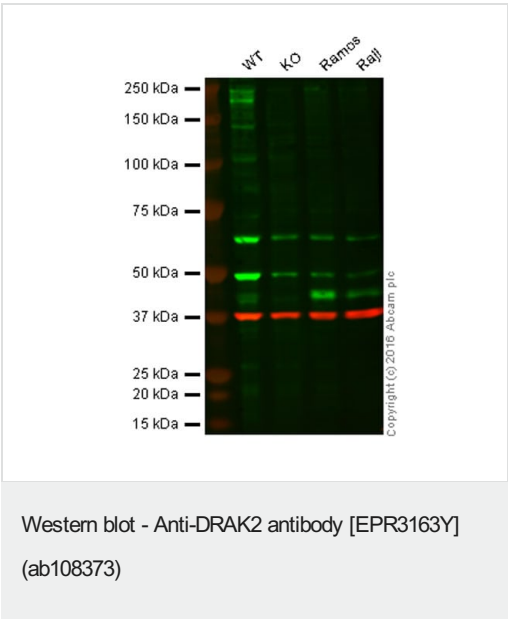
The Abpromise guarantee **Abpromise™**承诺保证使用ab108373于以下的经测试应用  
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		1/500 - 1/1000. Predicted molecular weight: 42 kDa.
IP		1/30 - 1/50.
ICC/IF		1/100 - 1/250.

靶标

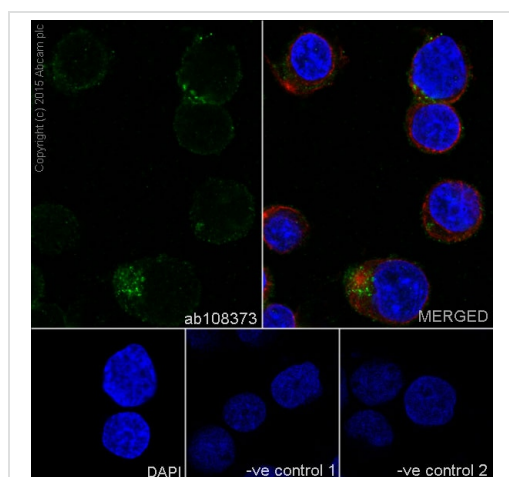
功能	Acts as a positive regulator of apoptosis.
组织特异性	Highly expressed in placenta, lung, pancreas. Lower levels in heart, brain, liver, skeletal muscle and kidney.
序列相似性	Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. DAP kinase subfamily. Contains 1 protein kinase domain.
翻译后修饰	Autophosphorylated.
细胞定位	Nucleus.

图片



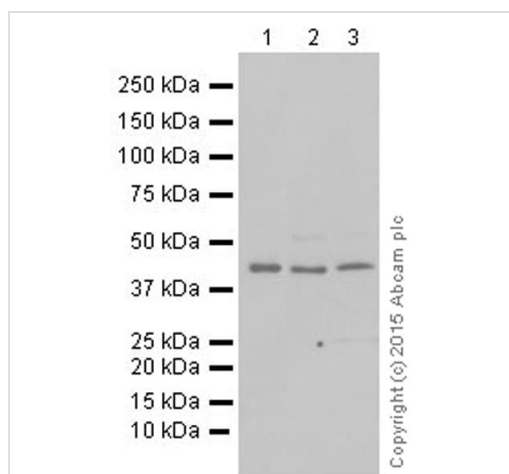
Western blot - Anti-DRAK2 antibody [EPR3163Y]  
(ab108373)

**Lane 1:** Wild-type HAP1 cell lysate (20 µg)  
**Lane 2:** DRAK2 knockout HAP1 cell lysate (20 µg)  
**Lane 3:** Ramos cell lysate (20 µg)  
**Lane 4:** Raji cell lysate (20 µg)  
**Lanes 1 - 4:** Merged signal (red and green). Green - ab108373 observed at 42 kDa. Red - loading control, **ab8245**, observed at 37 kDa.  
ab108373 was shown to recognize DRAK2 when DRAK2 knockout samples were used, along with additional cross-reactive bands. Wild-type and DRAK2 knockout samples were subjected to SDS-PAGE. ab108373 and **ab8245** (loading control to GAPDH) were diluted 1/500 and 1/10000 respectively and incubated overnight at 4°C. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed (**ab216773**) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preadsorbed (**ab216776**) secondary antibodies at 1/10000 dilution for 1 h at room temperature before imaging.



Immunocytochemistry/ Immunofluorescence - Anti-DRAK2 antibody [EPR3163Y] (ab108373)

Immunofluorescence staining of Ramos cells with purified ab108373 at a working dilution of 1/100, counter-stained with DAPI. The secondary antibody was Alexa Fluor<sup>®</sup> 488 goat anti-rabbit ([ab150077](#)), used at a dilution of 1/1000. [ab7291](#), a mouse anti-tubulin antibody (1/1000), was used to stain tubulin along with [ab150120](#) (Alexa Fluor<sup>®</sup> 594 goat anti-mouse, 1/1000), shown in the top right hand panel. The cells were fixed in 4% PFA and permeabilized using 0.1% Triton X 100. The negative controls are shown in bottom middle and right hand panels - for negative control 1, purified ab108373 was used at a dilution of 1/500 followed by an Alexa Fluor<sup>®</sup> 594 goat anti-mouse antibody ([ab150120](#)) at a dilution of 1/500. For negative control 2, [ab7291](#) (mouse anti-tubulin) was used at a dilution of 1/500 followed by an Alexa Fluor<sup>®</sup> 488 goat anti-rabbit antibody ([ab150077](#)) at a dilution of 1/400.



Western blot - Anti-DRAK2 antibody [EPR3163Y] (ab108373)

**All lanes** : Anti-DRAK2 antibody [EPR3163Y] (ab108373) at 1/1000 dilution (purified)

**Lane 1** : C6 whole cell lysate

**Lane 2** : PC-12 whole cell lysate

**Lane 3** : NIH/3T3 whole cell lysate

Lysates/proteins at 10 µg per lane.

### Secondary

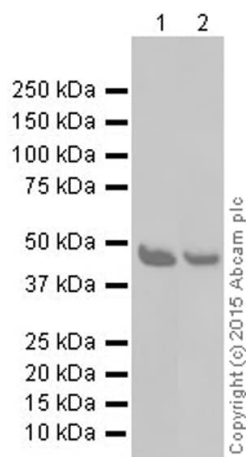
**All lanes** : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

**Predicted band size:** 42 kDa

**Observed band size:** 42 kDa

Blocking buffer: 5% NFDM/TBST

Dilution buffer: 5% NFDM/TBST



Western blot - Anti-DRAK2 antibody [EPR3163Y]  
(ab108373)

**All lanes :** Anti-DRAK2 antibody [EPR3163Y] (ab108373) at 1/10000 dilution (purified)

**Lane 1 :** Ramos whole cell lysate

**Lane 2 :** Raji whole cell lysate

Lysates/proteins at 10 µg per lane.

### Secondary

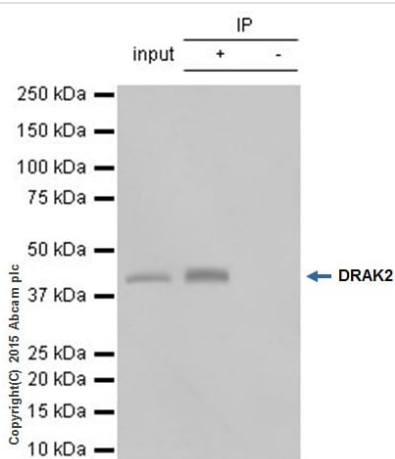
**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

**Predicted band size:** 42 kDa

**Observed band size:** 42 kDa

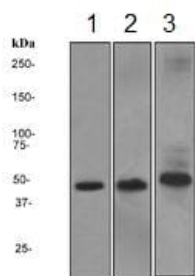
Blocking buffer: 5% NFDM/TBST

Dilution buffer: 5% NFDM/TBST



Immunoprecipitation - Anti-DRAK2 antibody  
[EPR3163Y] (ab108373)

ab108373 (purified) at 1/40 immunoprecipitating DRAK2 in 10 µg Ramos cell lysate (Lanes 1 and 2, observed at 42 kDa). Lane 3 - Rabbit monoclonal IgG ([ab172730](#)). For western blotting, VeriBlot for IP Detection Reagent (HRP) ([ab131366](#)), was used for detection at 1/10,000 dilution. Blocking buffer and concentration: 5% NFDM/TBST Dilution buffer and concentration: 5% NFDM/TBST



Western blot - Anti-DRAK2 antibody [EPR3163Y]  
(ab108373)

**All lanes** : Anti-DRAK2 antibody [EPR3163Y] (ab108373) at 1/500 dilution (Unpurified)

**Lane 1** : Jurkat cell lysate +TPA

**Lane 2** : Ramos cell lysate

**Lane 3** : Ramos cell lysate + TPA

Lysates/proteins at 10 µg per lane.

### Secondary

**All lanes** : HRP labelled goat anti-rabbit at 1/2000 dilution

**Predicted band size:** 42 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

Anti-DRAK2 antibody [EPR3163Y] (ab108373)

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

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