


### Anti-PDCD6/ALG-2 antibody [EP3259] ab109181

敲除验证
重组
RabMAb

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#### 概述

产品名称	Anti-PDCD6/ALG-2抗体[EP3259]
描述	兔单克隆抗体[EP3259] to PDCD6/ALG-2
宿主	Rabbit
经测试应用	<b>适用于:</b> WB, IHC-P <b>不适用于:</b> Flow Cyt, ICC/IF or IP
种属反应性	<b>与反应:</b> Human <b>预测可用于:</b> Mouse, Rat 
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: Daudi, Jurkat, HeLa and 293T cell lysates. IHC-P: Human hepatoma and Human lung adenocarcinoma.
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>

#### 性能

形式	Liquid
存放说明	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
存储溶液	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
纯度	Protein A purified
克隆	单克隆

克隆编号

EP3259

同种型

IgG

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab109181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		1/1000 - 1/2000. Detects a band of approximately 22 kDa (predicted molecular weight: 21 kDa).
IHC-P		1/100 - 1/250. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

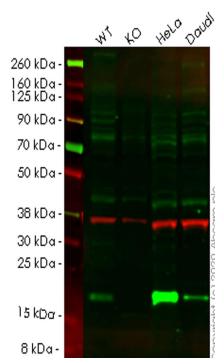
应用说明

Is unsuitable for Flow Cyt, ICC/IF or IP.

靶标

功能	Calcium-binding protein required for T-cell receptor-, Fas-, and glucocorticoid-induced cell death. May mediate Ca(2+)-regulated signals along the death pathway (By similarity). Calcium-dependent adapter necessary for the association between PDCD6IP and TSG101. Interaction with DAPK1 can accelerate apoptotic cell death by increasing caspase-3 activity. May inhibit KDR/VEGFR2-dependent angiogenesis; the function involves inhibition of VEGF-induced phosphorylation of the Akt signaling pathway. Seems to play a role in the regulation of the distribution and function of MCOLN1 in the endosomal pathway. Isoform 2 has a lower Ca(2+) affinity than isoform 1. Isoform 1 and, to a lesser extend, isoform 2, can stabilize SHISA5.
序列相似性	Contains 5 EF-hand domains.
细胞定位	Nucleus membrane. Endoplasmic reticulum membrane. Nucleus. Endosome. Interaction with RBM22 induces relocalization from the cytoplasm to the nucleus. Translocated from the cytoplasm to the nucleus after heat shock cell treatment. Accumulates in cytoplasmic vesicle-like organelles after heat shock treatment, which may represent stress granules.

图片



Western blot - Anti-PDCD6/ALG-2 antibody  
[EP3259] (ab109181)

**All lanes :** Anti-PDCD6/ALG-2 antibody [EP3259] (ab109181) at 1/1000 dilution

**Lane 1 :** Wild-type HEK293T cell lysate

**Lane 2 :** PDCD6 knockout HEK293T cell lysate

**Lane 3 :** HeLa cell lysate

**Lane 4 :** Daudi cell lysate

Lysates/proteins at 20 µg per lane.

#### Secondary

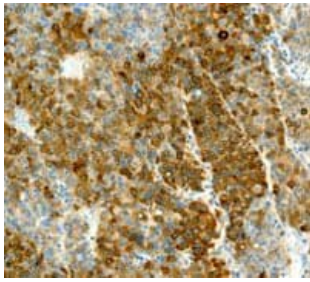
**All lanes :** Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed ([ab216773](#)) at 1/10000 dilution

**Predicted band size:** 21 kDa

**Observed band size:** 22 kDa

**Lanes 1-4:** Merged signal (red and green). Green - ab109181 observed at 22 kDa. Red - loading control [ab8245](#) observed at 36 kDa.

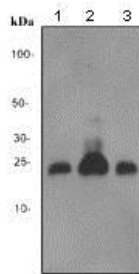
ab109181 Anti-PDCD6/ALG-2 antibody [EP3259] was shown to specifically react with PDCD6/ALG-2 in wild-type HEK293T cells. Loss of signal was observed when knockout cell line [ab266323](#) (knockout cell lysate [ab258570](#)) was used. Wild-type and PDCD6/ALG-2 knockout samples were subjected to SDS-PAGE. ab109181 and Anti-GAPDH antibody [6C5] - Loading Control ([ab8245](#)) were incubated overnight at 4°C at 1 in 1000 dilution and 1 in 20000 dilution respectively. 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 in 20000 dilution for 1 hour at room temperature before imaging.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PDCD6/ALG-2 antibody [EP3259] (ab109181)

Immunohistochemical analysis of paraffin-embedded Human hepatoma using ab109181 at 1/100.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Western blot - Anti-PDCD6/ALG-2 antibody [EP3259] (ab109181)

**All lanes :** Anti-PDCD6/ALG-2 antibody [EP3259] (ab109181) at 1/1000 dilution

**Lane 1 :** Jurkat cell lysate

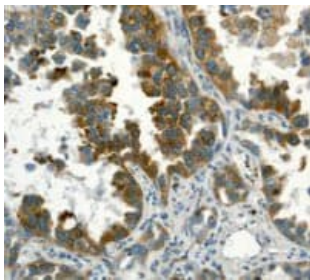
**Lane 2 :** HeLa cell lysate

**Lane 3 :** 293T cell lysate

Lysates/proteins at 10 µg per lane.

**Predicted band size:** 21 kDa

**Observed band size:** 22 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PDCD6/ALG-2 antibody [EP3259] (ab109181)

Immunohistochemical analysis of paraffin-embedded Human lung adenocarcinoma using ab109181 at 1/100.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

### 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-PDCD6/ALG-2 antibody [EP3259] (ab109181)

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

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