

### Anti-ATP6V0D1/P39 antibody [2G12] ab56441

★★★★★ [1 Abreviews](#) [19 References](#) [4 图像](#)

#### 概述

<b>产品名称</b>	Anti-ATP6V0D1/P39抗体[2G12]
<b>描述</b>	小鼠单克隆抗体[2G12] to ATP6V0D1/P39
<b>宿主</b>	Mouse
<b>经测试应用</b>	<b>适用于:</b> WB, IHC-P, ICC/IF, Flow Cyt
<b>种属反应性</b>	<b>与反应:</b> Human
<b>免疫原</b>	Recombinant fragment corresponding to Human ATP6V0D1/P39 aa 200-350. Database link: <a href="#">P61421</a>
<b>常规说明</b>	<div style="text-align: right; margin-bottom: 10px;"> <a href="#">Run BLAST with</a>      <a href="#">Run BLAST with</a> </div> <p>This product was changed from ascites to tissue culture supernatant on 13<sup>th</sup> Feb 2019. Please note that the dilutions may need to be adjusted accordingly. If you have any questions, please do not hesitate to contact our scientific support team.</p> <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&amp;As</p>

#### 性能

<b>形式</b>	Liquid
<b>存放说明</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
<b>存储溶液</b>	pH: 7.4
<b>纯度</b>	Tissue culture supernatant
<b>克隆</b>	单克隆
<b>克隆编号</b>	2G12
<b>同种型</b>	IgG1
<b>轻链类型</b>	kappa

## 应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab56441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)	Use at an assay dependent concentration. Predicted molecular weight: 40 kDa.
IHC-P		Use at an assay dependent concentration.
ICC/IF		Use at an assay dependent concentration.
Flow Cyt		Use at an assay dependent concentration. <b>ab170190</b> - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

## 靶标

### 功能

Subunit of the integral membrane V0 complex of vacuolar ATPase. Vacuolar ATPase is responsible for acidifying a variety of intracellular compartments in eukaryotic cells, thus providing most of the energy required for transport processes in the vacuolar system. May play a role in coupling of proton transport and ATP hydrolysis (By similarity). May play a role in cilium biogenesis through regulation of the transport and the localization of proteins to the cilium.

### 组织特异性

Ubiquitous.

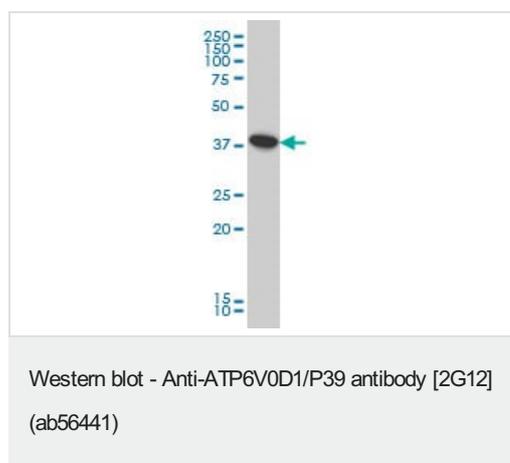
### 序列相似性

Belongs to the V-ATPase V0D/AC39 subunit family.

### 细胞定位

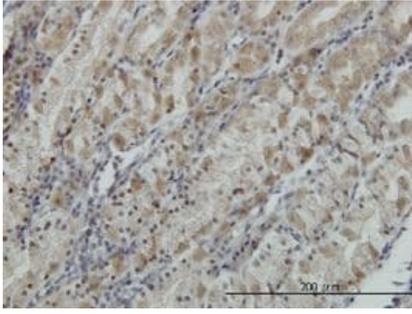
Membrane. Localizes to centrosome and the base of the cilium.

## 图片



ATP6V0D1/P39 antibody (ab56441) at 1ug/lane + HeLa cell lysate at 25ug/lane.

This image was generated using the ascites version of the product.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ATP6V0D1/P39 antibody [2G12] (ab56441)

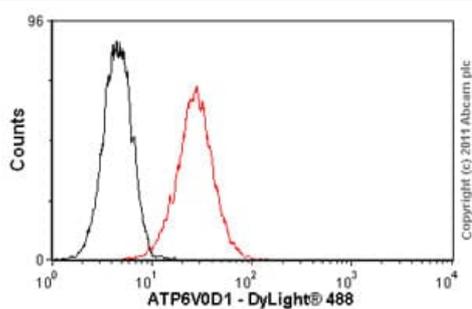
ATP6V0D1/P39 antibody (ab56441) used in immunohistochemistry at 5ug/ml on formalin fixed and paraffin embedded human stomach.

This image was generated using the ascites version of the product.

Immunocytochemistry/ Immunofluorescence - Anti-ATP6V0D1/P39 antibody [2G12] (ab56441)

ICC/IF image of ab56441 stained HeLa cells. The cells were 4% formaldehyde fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab56441, 10μg/ml) overnight at +4°C. The secondary antibody (green) was Alexa Fluor® 488 goat anti-mouse IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43μM.

This image was generated using the ascites version of the product.



Flow Cytometry - Anti-ATP6V0D1/P39 antibody [2G12] (ab56441)

Overlay histogram showing HeLa cells stained with ab56441 (red line). The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab56441, 1μg/1x10<sup>6</sup> cells) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-mouse IgG (H+L) (**ab96879**) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was a mix of mouse IgG1 [ICIGG1], (**ab91353**, 2μg/1x10<sup>6</sup> cells) used under the same conditions. Acquisition of >5,000 events was performed. This antibody gave a positive signal in HeLa cells fixed with 4%PFA/permeabilized in 0.1% PBS-Tween used under the same conditions.

This image was generated using the ascites version of the product.

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

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