

## Product datasheet

# Anti-EHD2 antibody ab23935

★★★★☆ 1 Abreviews 14 References 3 图像

### 概述

<b>产品名称</b>	Anti-EHD2抗体
<b>描述</b>	山羊多克隆抗体to EHD2
<b>宿主</b>	Goat
<b>特异性</b>	This antibody is expected to recognise EHD1 protein as well as EHD2.
<b>经测试应用</b>	<b>适用于:</b> ICC/IF, ELISA, WB
<b>种属反应性</b>	<b>与反应:</b> Mouse, Human <b>预测可用于:</b> Rat, Cow, Dog
<b>免疫原</b>	Synthetic peptide: C-RLVPPSKRRRHKGSA , corresponding to C terminal amino acids 529 - 542 of Human EHD2. <a href="#">Run BLAST with</a> <a href="#">Run BLAST with</a>
<b>阳性对照</b>	Human heart lysate. Lysate prepared from transfected HEK293 transiently expressing EHD2. IF/ICC: A549 cell line.

### 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>	Preservative: 0.02% Sodium Azide Constituents: 0.5% BSA, Tris buffered saline. pH 7.3
<b>纯度</b>	Immunogen affinity purified
<b>纯化说明</b>	Purified by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>克隆</b>	多克隆
<b>同种型</b>	IgG

### 应用

Our [Abpromise guarantee](#) covers the use of **ab23935** in the following tested applications.

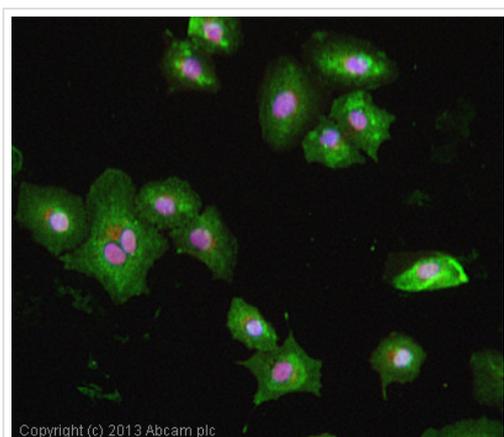
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
ICC/IF		Use at an assay dependent dilution. PubMed: 20008164
ELISA		1/64000. Peptide ELISA
WB		Use a concentration of 0.003 - 0.01 µg/ml. Detects a band of approximately 60 kDa (predicted molecular weight: 61 kDa).

## 靶标

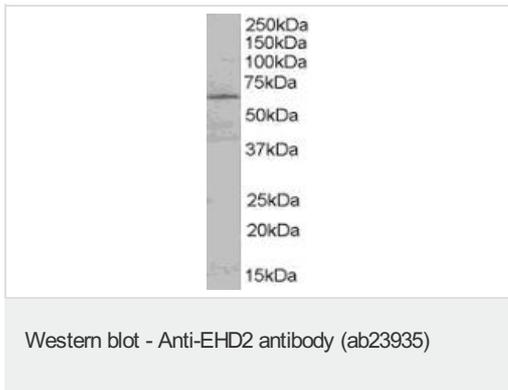
<b>功能</b>	Plays a role in membrane reorganization in response to nucleotide hydrolysis. Binds to liposomes and deforms them into tubules. Plays a role in membrane trafficking between the plasma membrane and endosomes. Important for the internalization of GLUT4. Required for normal fusion of myoblasts to skeletal muscle myotubes. Binds ATP; does not bind GTP.
<b>组织特异性</b>	Highly expressed in heart and moderately expressed in placenta, lung, and skeletal muscle.
<b>序列相似性</b>	Contains 1 EF-hand domain. Contains 1 EH domain.
<b>结构域</b>	The EH domain interacts with Asn-Pro-Phe (NPF) motifs of target proteins.
<b>细胞定位</b>	Cell membrane. Endosome membrane. Colocalizes with GLUT4 in intracellular tubulovesicular structures that are associated with cortical F-actin.

## 图片



Immunocytochemistry/ Immunofluorescence - Anti-EHD2 antibody (ab23935)

ICC/IF image of ab23935 stained A549 cells. The cells were 4% formaldehyde fixed (10 min) and then incubated in 1%BSA / 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 (ab23935, 5µg/ml) overnight at +4°C. The secondary antibody (green) was [ab96931](#), DyLight® 488 donkey anti-goat IgG (H+L) used at a 1/250 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

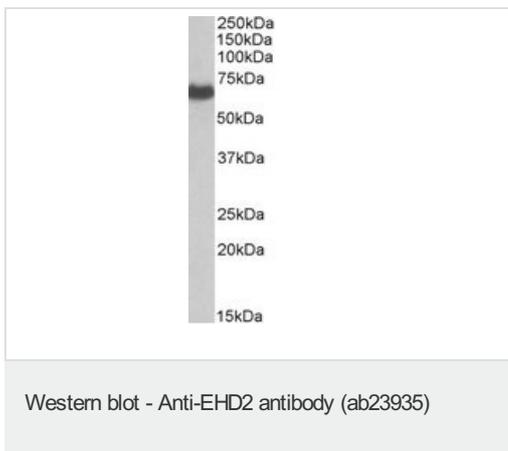


Anti-EHD2 antibody (ab23935) at 0.003 µg/ml  
+ Human Heart lysate (RIPA buffer, 35µg total protein per lane).

**Predicted band size:** 61 kDa

**Observed band size:** 61 kDa

Primary incubated for 1 hour. Detected by western blot using chemiluminescence.



Anti-EHD2 antibody (ab23935) at 0.1 µg/ml +  
Human Placenta lysate in RIPA buffer at 35 µg

**Predicted band size:** 61 kDa

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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