


Anti-Plectin antibody [E398P] ab32528

敲除验证 重组 RabMAb

★★★★★ 5 Abreviews 33 References 4 图像

概述

产品名称	Anti-Plectin抗体[E398P]
描述	兔单克隆抗体[E398P] to Plectin
宿主	Rabbit
特异性	This antibody recognises plectin, a 500-kDa intermediate filament binding protein.
经测试应用	适用于: IHC-P, WB 不适用于: Flow Cyt
种属反应性	与反应: Human 预测可用于: Mouse, Rat 
免疫原	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
阳性对照	Jurkat whole cell lysate ( <a href="#">ab7899</a> ), human skeletal muscle WB: U-2 OS cell lysate.
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. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 49% PBS, 50% Glycerol (glycerin, glycerine), 0.05% BSA
纯度	Protein A purified
克隆	单克隆
克隆编号	E398P

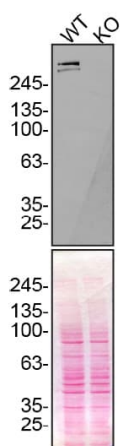
同种型	IgG	
应用		
<div>The Abpromise guarantee</div> <div>Abpromise™承诺保证使用ab32528于以下的经测试应用</div> <div>“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。</div>		
应用	Ab评论	说明
IHC-P	★★★★★ (1)	1/250. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB	★★★★★ (1)	1/5000. Predicted molecular weight: 532 kDa.
应用说明	Is unsuitable for Flow Cyt.	
靶标		
功能	Interlinks intermediate filaments with microtubules and microfilaments and anchors intermediate filaments to desmosomes or hemidesmosomes. Could also bind muscle proteins such as actin to membrane complexes in muscle. May be involved not only in the filaments network, but also in the regulation of their dynamics. Structural component of muscle. Isoform 9 plays a major role in the maintenance of myofibers integrity.	
组织特异性	Widely expressed with highest levels in muscle, heart, placenta and spinal cord.	
疾病相关	Epidermolysis bullosa simplex with pyloric atresia Epidermolysis bullosa simplex, with muscular dystrophy Epidermolysis bullosa simplex, Ogna type Limb-girdle muscular dystrophy 2Q	
序列相似性	Belongs to the plakin or cytolinker family. Contains 1 actin-binding domain. Contains 2 CH (calponin-homology) domains. Contains 33 plectin repeats. Contains 4 spectrin repeats.	
结构域	The N-terminus interacts with actin, the C-terminus with vimentin, desmin, GFAP, cytokeratins, lamin B; whereas both the N-and the C-terminus can bind integrin beta-4.	
翻译后修饰	Phosphorylated by CDK1; regulates dissociation from intermediate filaments during mitosis.	
细胞定位	Cytoplasm > cytoskeleton. Cell junction > hemidesmosome.	
图片		



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Plectin antibody [E398P] (ab32528)

Immunohistochemical staining of paraffin-embedded human skeletal muscle using ab32528 at a dilution of 1/250

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



Western blot - Anti-Plectin antibody [E398P] (ab32528)

**All lanes** : Anti-Plectin antibody [E398P] (ab32528) at 1/5000 dilution

**Lane 1** : Wild-type U-2 OS cell lysate

**Lane 2** : PLEC knockout U-2 OS cell lysate

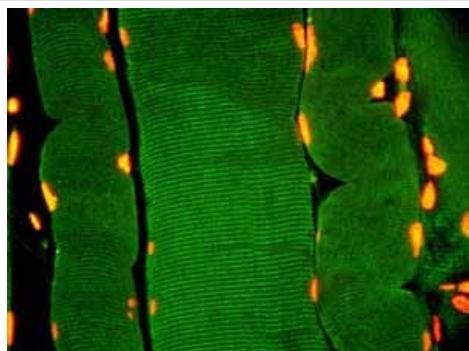
Lysates/proteins at 20 µg per lane.

Performed under reducing conditions.

**Predicted band size:** 532 kDa

ab32528 was shown to react with PLEC in wild-type U-2 OS cells in Western blot with loss of signal observed in a PLEC knockout cell line. Wild-type U-2 OS and PLEC knockout cell lysates were subjected to SDS-PAGE. Membranes were blocked in 5% milk in TBST for 1 hr before incubation with ab32528 overnight at 4 °C at a 1/5000 dilution. Blots were incubated with goat anti-rabbit HRP secondary antibodies at 0.2µg/mL before imaging. These data were provided by YCharOS Inc., an open science company with the mission of characterizing commercially available antibody reagents for all human proteins. Abcam and YCharOS are working together to help address the reproducibility crisis by enabling the life science

community to better evaluate commercially available antibodies.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Plectin antibody [E398P] (ab32528)

Fluorescent immunohistochemical analysis of paraffin-embedded human skeletal muscle tissue using ab32528. Green-Plectin red-PI

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-Plectin antibody [E398P] (ab32528)

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

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