

Anti-Plectin antibody [E398P] ab32528

KO 評価済 リコンビナント RabMAb

★★★★★ 5 Abreviews 33 References 画像数 4

製品の概要

製品名	Anti-Plectin antibody [E398P]
製品の詳細	Rabbit monoclonal [E398P] to Plectin
由来種	Rabbit
特異性	This antibody recognises plectin, a 500-kDa intermediate filament binding protein.
アプリケーション	適用あり: IHC-P, WB 適用なし: Flow Cyt
種交差性	交差種: Human 交差が予測される動物種: Mouse, Rat 
免疫原	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	Jurkat whole cell lysate (ab7899), human skeletal muscle WB: U-2 OS cell lysate.
特記事項	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 49% PBS, 50% Glycerol (glycerin, glycerine), 0.05% BSA
精製度	Protein A purified
ポリクローナル	モノクローナル
クローン名	E398P

アイソタイプ

IgG

アプリケーション

The Abpromise guarantee Abpromise保証は、次のテスト済みアプリケーションにおけるab32528の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
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.

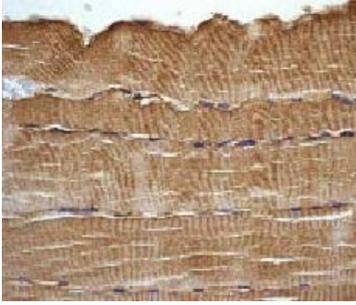
追加情報

Is unsuitable for Flow Cyt.

ターゲット情報

機能	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.
組織特異性	Widely expressed with highest levels in muscle, heart, placenta and spinal cord.
関連疾患	Epidermolysis bullosa simplex with pyloric atresia Epidermolysis bullosa simplex, with muscular dystrophy Epidermolysis bullosa simplex, Ogna type Limb-girdle muscular dystrophy 2Q
配列類似性	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.
ドメイン	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.
翻訳後修飾	Phosphorylated by CDK1; regulates dissociation from intermediate filaments during mitosis.
細胞内局在	Cytoplasm > cytoskeleton. Cell junction > hemidesmosome.

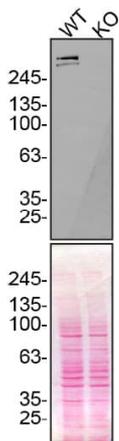
画像



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

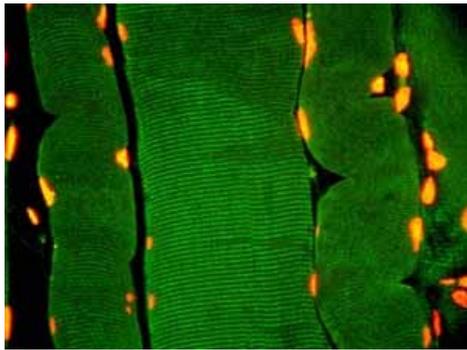
Lysates/proteins at 20 µg per lane.

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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