# abcam

## Product datasheet

## PE Anti-Desmin antibody [Y66] - Cytoskeleton Marker ab224935

יעלאעבע RabMAb

## 画像数 2

#### 製品の概要

製品名 PE Anti-Desmin antibody [Y66] - Cytoskeleton Marker

製品の詳細 PE Rabbit monoclonal [Y66] to Desmin - Cytoskeleton Marker

由来種 Rabbit

標識 PE. Ex: 488nm, Em: 575nm

アプリケーション 適用あり: Flow Cyt (Intra)

種交差性 交差種: Rat

交差が予測される動物種: Mouse, Guinea pig, Human 🔷

免疫原 Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.

エピトープ ab224935 reacts with an epitope located in the C terminal region of desmin.

ポジティブ・コントロール Flow Cyt (intra): SV40LT-SMC cells

特記事項 This product is a recombinant monoclonal antibody, which offers several advantages including:

- 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. Store at +4°C. Do Not Freeze. Store In the Dark.

バッファー pH: 7.4

> Preservative: 0.02% Sodium azide Constituents: 1% BSA, PBS

精製度 Protein A purified

モノクローナル ポリモノ

クローン名 Y66

#### アプリケーション

**The Abpromise guarantee** <u>Abpromise保証は、</u>次のテスト済みアプリケーションにおけるab224935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
Flow Cyt (Intra)		1/1000. The cellular localisation of this product has been verified in ICC/IF.

#### ターゲット情報

#### 機能

Desmin are class-Ill intermediate filaments found in muscle cells. In adult striated muscle they form a fibrous network connecting myofibrils to each other and to the plasma membrane from the periphery of the Z-line structures.

#### 関連疾患

Defects in DES are the cause of myopathy myofibrillar desmin-related (MFM-DES) [MIM:601419]; also known as desmin-related myopathy (DRM). A neuromuscular disorder characterized by skeletal muscle weakness associated with cardiac conduction blocks, arrhythmias, restrictive heart failure, and by myofibrillar destruction with intracytoplasmic accumulation of desmin-reactive deposits in cardiac and skeletal muscle cells. Defects in DES are the cause of cardiomyopathy dilated type 1I (CMD1I) [MIM:604765]. Dilated cardiomyopathy is a disorder characterized by ventricular dilation and impaired systolic function, resulting in congestive heart failure and arrhythmia. Patients are at risk of premature death. Defects in DES are the cause of neurogenic scapuloperoneal syndrome Kaeser type (Kaeser syndrome) [MIM:181400]. Kaeser syndrome is an autosomal dominant disorder with a peculiar scapuloperoneal distribution of weakness and atrophy. A large clinical variability is observed ranging from scapuloperoneal, limb grindle and distal phenotypes with variable cardiac or respiratory involvement. Facial weakness, dysphagia and gynaecomastia are frequent additional symptoms. Affected men seemingly bear a higher risk of sudden, cardiac death as compared to affected women. Histological and immunohistochemical examination of muscle biopsy specimens reveal a wide spectrum of findings ranging from near normal or unspecific pathology to typical, myofibrillar changes with accumulation of desmin.

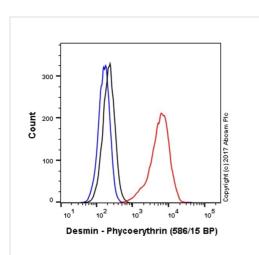
## 配列類似性

Belongs to the intermediate filament family.

## 細胞内局在

Cytoplasm.

#### 画像



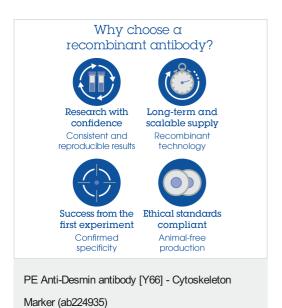
Flow Cytometry (Intracellular) - PE Anti-Desmin antibody [Y66] - Cytoskeleton Marker (ab224935)

Overlay histogram showing SV40LT-SMC cells stained with ab224935 (red line). The cells were fixed with 4% formaldehyde (10 min) and then permeabilized with 0.1% PBS-Triton X-100 for 15 min. The cells were then incubated in 1x PBS / 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (ab224935, 1/1000 dilution) for 30 min at 22°C.

Isotype control antibody (black line) was Rabbit IgG (monoclonal) Phycoerythrin (<u>ab209478</u>) used at the same concentration and conditions as the primary antibody. Unlabelled sample (blue line) was also used as a control.

Acquisition of >5,000 events were collected using a 50 mW Yellow/Green laser (561nm) and 586/15 bandpass filter.

This antibody gave a positive signal in SV40LT-SMC cells fixed with 80% methanol (5 min)/permeabilized with 0.1% PBS-Triton X-100 for 15 min used under the same conditions.



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

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