

Product datasheet

Anti-Desmin antibody ab86083

★★★★☆ 1 Abreviews 2 Images

Overview

Product name	Anti-Desmin antibody
Description	Rabbit polyclonal to Desmin
Specificity	Reacts exclusively with Desmin.
Tested applications	Suitable for: WB, IHC-P, IHC-Fr
Species reactivity	Reacts with: Mouse, Rat, Goat, Chicken, Hamster, Cow, Dog, Human, Zebrafish
Immunogen	Full length native Desmin protein purified from a crude tissue preparation of chicken gizzard muscle by preparative gel electrophoresis.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: 0.09% Sodium Azide Constituents: Whole serum
Purity	Whole antiserum
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab86083** in the following tested applications.

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

Application	Abreviews	Notes
WB		
IHC-P		
IHC-Fr		

Application notes	IHC-P: 1/25 - 1/100, using avidinbiotinylated horseradish peroxidase complex (ABC) detection system.
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IHC-Fr: 1/25 - 1/100, using avidinbiotinylated horseradish peroxidase complex (ABC) detection system.

WB: 1/100 - 1/500. Predicted molecular weight: 53 kDa.

Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

Target

Function

Desmin are class-III 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.

Involvement in disease

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 girdle 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.

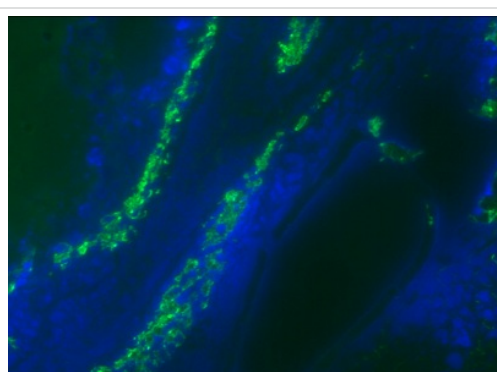
Sequence similarities

Belongs to the intermediate filament family.

Cellular localization

Cytoplasm.

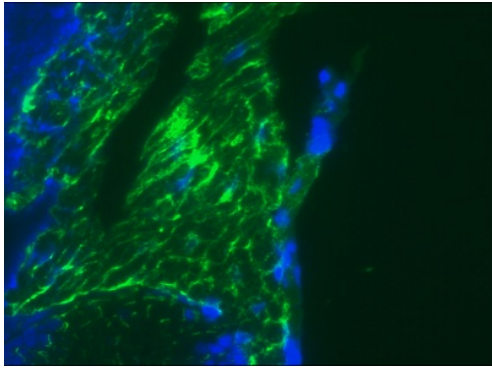
Anti-Desmin antibody images



Immunohistochemistry (Frozen sections) - Anti-Desmin antibody (ab86083)

Immunofluorescence staining images of 9 day old zebrafish embryos.

ab86083 reacts with striated muscle of the developing myocardium. Frozen sample treated with Acetone:Methanol 1:1, antibody diluted 1/100 and incubated for 45 minutes at room temperature.



Immunohistochemistry (Frozen sections) - Anti-Desmin antibody (ab86083)

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