

Datasheet for ABIN965993
anti-Desmin antibody



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2 Publications

Overview

Quantity:	0.1 mg
Target:	Desmin (DES)
Reactivity:	Human
Host:	Please inquire
Clonality:	Monoclonal
Conjugate:	This Desmin antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Isotype:	IgG1
Specificity:	Ni-NTA purified truncated recombinant Desmin expressed in E. Coli strain BL21 (DE3)

Target Details

Target:	Desmin (DES)
Alternative Name:	Desmin (DES Products)
Background:	Desmin (DES), with 470-amino acid protein (about 52kDa), belongs to the intermediate filament family and Desmin is class III intermediate filaments found in muscle cells. Homopolymers of Desmin form a stable intracytoplasmic filamentous network connecting myofibrils to each other and to the plasma membrane. Mutations in Desmin are associated with desmin-related myopathy, a familial cardiac and skeletal myopathy (CSM), and with distal myopathies. Desmin is also expressed in smooth muscle cells of both airways and alveolar ducts and Desmin is a

Target Details

load-bearing protein that stiffens the airways and consequently the lung and modulates airway contractile response.

Gene ID: 1674

Application Details

Application Notes: Western Blot: 1: 1,000- 1: 2,000
IHC(P): 1: 1,000- 1: 2,000
IHC(F): 1: 1,000- 1: 2,000
ELISA: Propose dilution 1: 10,000.
Determining optimal working dilutions by titration test.

Restrictions: For Research Use only

Handling

Storage: -20 °C

Publications

Product cited in: Shardonofsky, Capetanaki, Boriek: "Desmin modulates lung elastic recoil and airway responsiveness." in: **American journal of physiology. Lung cellular and molecular physiology**, Vol. 290, Issue 5, pp. L890-6, (2006) ([PubMed](#)).

Huang, Li, Foster, Lemanski, Dube, Zhang, Lemanski: "Protein kinase C-mediated desmin phosphorylation is related to myofibril disarray in cardiomyopathic hamster heart." in: **Experimental biology and medicine (Maywood, N.J.)**, Vol. 227, Issue 11, pp. 1039-46, (2002) ([PubMed](#)).