Datasheet for ABIN969477

anti-Desmin antibody

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Overview

Quantity:	100 µL
Target:	Desmin (DES)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	Purified recombinant fragment of Desmin expressed in E. coli.
Clone:	10H7D2
Isotype:	IgG1
Purification:	purified

Target Details

Target:	Desmin (DES)
Alternative Name:	Desmin (DES Products)
Background:	Description: Desmin (DES), with 470-amino acid protein (about 52 kDa), 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

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Target Details

	with distal myopathies.Desmin is also expressed in smooth muscle cells of both airways and alveolar ducts and Desmin is a load-bearing protein that stiffens the airways and consequently the lung and modulates airway contractile response. Aliases: Desmin
Gene ID:	1674
HGNC:	1674

Application Details

Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified antibody in PBS containing 0.03 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C/-20 °C
Storage Comment:	4°C, -20°C for long term storage

Publications

Product cited in:	Toka, Dunaway, Smaltz, Szulc-Dąbrowska, Drnevich, Mielcarska, Bossowska-Nowicka, Schweizer: "Bacterial and viral pathogen-associated molecular patterns induce divergent early transcriptomic landscapes in a bovine macrophage cell line." in: **BMC genomics**, Vol. 20, Issue 1, pp. 15, (2019) (PubMed). Murakami, Maeda, Yonezawa, Matsuki: "CC chemokine ligand 2 and CXC chemokine ligand 8 as neutrophil chemoattractant factors in canine idiopathic polyarthritis." in: **Veterinary immunology and immunopathology**, Vol. 182, pp. 52-58, (2016) (PubMed).

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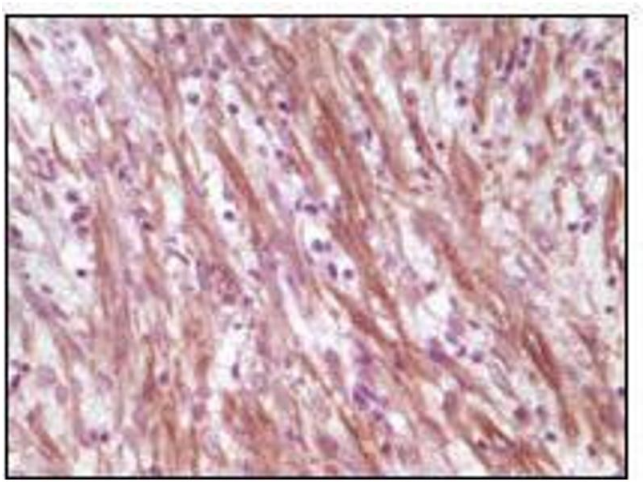
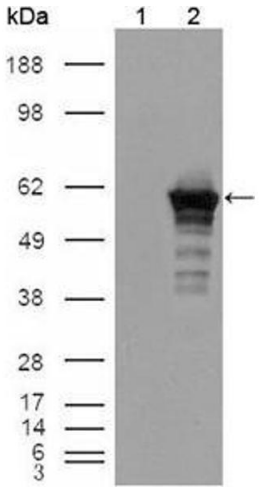


Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffin-embedded human smooth musde sarcoma, showing cytoplasmic localization using Desmin mouse mAb with DAB staining.



Western Blotting

Image 2. Western blot analysis using Desmin mouse mAb against HEK293T cells transfected with the pCMV6-ENTRY control (1) and pCMV6-ENTRY Desmin cDNA (2).

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