

Datasheet for ABIN334386

anti-Desmin antibody (C-Term)

11 Images

1 Publication

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Overview

Quantity:	100 µg
Target:	Desmin (DES)
Binding Specificity:	C-Term
Reactivity:	Human, Mouse
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This Desmin antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Purpose:	Desmin
Immunogen:	Peptide with sequence C-RDGEVSEATQQQHE, from the C Terminus of the protein sequence according to NP_001918.3.
Sequence:	RDGEVSEAT QQQHE
Isotype:	IgG
Cross-Reactivity:	Cow, Dog, Human, Mouse
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

Target Details

Target:	Desmin (DES)
Alternative Name:	DES (DES Products)
Background:	DES, desmin, CMD1I, CSM1, CSM2, FLJ12025, FLJ39719, FLJ41013, FLJ41793, intermediate filament protein
Gene ID:	1674, 13346, 64362
NCBI Accession:	NP_001918

Application Details

Application Notes:	Immunohistochemistry: Paraffin embedded Human Heart. Recommended concentration: 4-6 µg/mL. Western Blot: Approx. 55-60 kDa band observed in Human and Mouse Skeletal Muscle lysates and in Human Heart lysates (calculated MW of 53.5 kDa according to Human NP_001918.3, and Mouse NP_034173.1). Preliminary testing showed a band at approx 60 kDa in Rat Peptide ELISA: antibody detection limit dilution 1:128000.
Restrictions:	For Research Use only

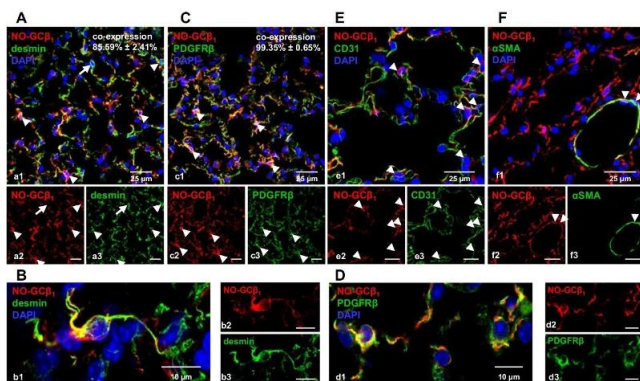
Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.

Product cited in:

Aue, Englert, Harrer, Schwiering, Gaab, König, Adams, Schmidtko, Friebe, Groneberg: "NO-sensitive guanylyl cyclase discriminates pericyte-derived interstitial from intra-alveolar myofibroblasts in murine pulmonary fibrosis." in: **Respiratory research**, Vol. 24, Issue 1, pp. 167, (2023) ([PubMed](#)).

Images



Immunofluorescence

Image 1. NO-GC expression in the murine lung. Lungs from WT mice (A–F) were stained with antibodies against the $\beta 1$ subunit of NO-GC (NO-GC $\beta 1$) and desmin, PDGFR β , CD31 or α SMA, respectively. Arrowheads in the merged images indicate cells which co-express NO-GC (red) with two established pericyte markers desmin ($85.59\% \pm 2.41\%$; green, A; enlargement in B; desmin+/NO-GC– cell indicated by arrow) and PDGFR β ($99.35\% \pm 0.65\%$; green, C; enlargement in D). Source: PMID37349733



Image 2. ABIN334386 (0.2µg/ml) staining of Human Skeletal Muscle lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



Western Blotting

Image 3. ABIN334386 (1µg/ml) staining of Human Skeletal Muscle lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

Please check the [product details page](#) for more images. Overall 11 images are available for ABIN334386.