

## Anti-Desmin Antibody Picoband® Biotin Conjugated

Catalog Number: PB9105-Biotin

### About DES

DES, also called desmin, is a protein that in humans is encoded by the DES gene, and this gene is mapped to 2q35. DES is the muscle-specific member of the intermediate filament (IF) protein family. It is one of the earliest myogenic markers, both in heart and somites, and is expressed in satellite stem cells and replicating myoblasts. DES is very important in muscle cell architecture and structure since it connects many components of the cytoplasm. It may also play an important role in mitochondria function. What's more, DES provides attachments between the terminal Z disc and membrane-associated proteins to form a force-transmitting system that parallels the thin filaments at myotendinous junctions.

### Overview

Product Name	Anti-Desmin Antibody Picoband® Biotin Conjugated
Reactive Species	Human, Mouse, Rat
Application	WB, IHC, ELISA
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	P17661

### Technical Details

Immunogen	E.coli-derived human Desmin recombinant protein (Position: M1-T304). Human Desmin shares 97% amino acid (aa) sequence identity with both mouse and rat Desmin.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Biotin
Suggested Dilutions	Western blot, Optimal dilutions should be determined by end users. Immunohistochemistry (Paraffin-embedded Section), Optimal dilutions should be determined by end users.

ELISA, Optimal dilutions should be determined by end users.

## 21 Publications Citing This Product

1. PubMed ID: 25174394, Wei L, Yang J, Wang M, Xu Sn, Liang Hm, Zhou Q. Int J Mol Med. 2014 Nov;34(5):1257-67. Doi: 10.3892/Ijmm.2014.1905. Epub 2014 Aug 19. Sodium Ferulate Lowers Portal Pressure In Rats With Secondary Biliary Cirrhosis Through The Rhoa/Rho-Kinase Signa...
2. PubMed ID: 26286600, Identification of apoptosis-related microRNAs and their target genes in myocardial infarction post-transplantation with skeletal myoblasts
3. PubMed ID: 22053192, Longxi P, Buwu F, Yuan W, Sinan G. Plos One. 2011;6(10):E26500. Doi: 10.1371/Journal.Pone.0026500. Epub 2011 Oct 28. Expression Of P53 In The Effects Of Artesunate On Induction Of Apoptosis And Inhibition Of Proliferation In Rat Primary Hepatic St...

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