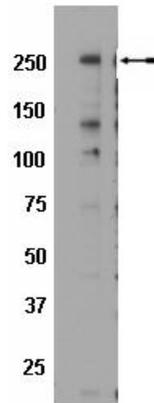


Rabbit ANTI- DESMOPLAKIN 1 POLYCLONAL ANTIBODY

CATALOG NUMBER: AB10400 **QUANTITY:** 100 µL
LOT NUMBER: **CONCENTRATION:** 1 mg/mL

BACKGROUND: Desmoplakin is a cytoplasmic plaque protein that is located in desmosomes, which are abundant in tissues subjected to mechanical stress, like muscle and epidermis. The role of Desmoplakin is to link the transmembrane cadherins via plakoglobin to the cytoplasmic intermediate filament network. Desmoplakin comprises an N-terminal, desmosome-associated plakin domain binding to plakoglobin and plakophilin, a central coiled-coil rod domain responsible for dimerization, and a C-terminal domain consisting of three homologous plakin repeat subdomains, named “A,” “B,” and “C,” that interact with the intermediate filaments

APPLICATIONS: Western Blot Analysis: A 1:5,000 dilution of the lot detected Desmoplakin 1 in nuclear extract from 293 cells. Arrow indicates the expected band at approximately 300kDa.



Optimal working dilutions must be determined by end user.

SPECIES REACTIVITY: Human
FORMAT: Affinity purified
PRESENTATION: Liquid containing 0.02M PBS containing 0.1% sodium azide and 50% glycerol
STORAGE/HANDLING: Maintain at 2-8°C for up to 12 months from date of receipt.

REFERENCES: Sobolik-Delmaire, Tammy, *et al* (2006). Carboxyl terminus of Plakophilin-1 recruits it to plasma membrane, whereas amino terminus recruits desmoplakin and promotes desmosome assembly. *J Biol Chem* **281**: 16962-16970.
 Yang, Zhao, *et al* (2006). Desmosomal dysfunction due to mutations in desmoplakin causes arrhythmogenic right ventricular dysplasia/cardiomyopathy. *Circ Res* **99**: 646-655.

Important Note: During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.

FOR RESEARCH USE ONLY; NOT FOR USE IN DIAGNOSTIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION

Unless otherwise stated in our catalog or other company documentation accompanying the product(s), our products are intended for research use only and are not to be used for any other purpose, which includes but is not limited to, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses or any type of consumption or application to humans or animals.

©2002 - 2011: Millipore Corporation. All rights reserved. No part of these works may be reproduced in any form without permission in writing.

28820 Single Oak Drive • Temecula, CA 92590
 Technical Support: T: 1-800-MILLIPORE (1-800-645-5476) • F: 1-800-437-7502
 www.millipore.com