

Basic Information

Product Name	Anti-Desmoplakin/DSP Antibody
Gene Name	DSP
Source	Rabbit
Isotype	IgG
Species Reactivity	human
Tested Application	WB, FCM, ELISA
Contents	500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg BSA and 50% glycerol.
Immunogen	E.coli-derived human Desmoplakin/DSP recombinant protein (Position: N69-H2195).
concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	250KD
Dilution Ratios	Western blot(WB): 1:500-2000 Flow cytometry (FCM):1-3μg/1x10 ⁶ cells (ELISA): 1:100-1000

Storage

12 months from date of receipt, -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.

Background Information

Desmoplakin is a protein in humans that is encoded by the DSP gene. This gene encodes a protein that anchors intermediate filaments to desmosomal plaques and forms an obligate component of functional desmosomes. Mutations in this gene are the cause of several cardiomyopathies and keratodermas, including skin fragility-woolly hair syndrome. Alternative splicing results in multiple transcript variants.

Selected Validation Data

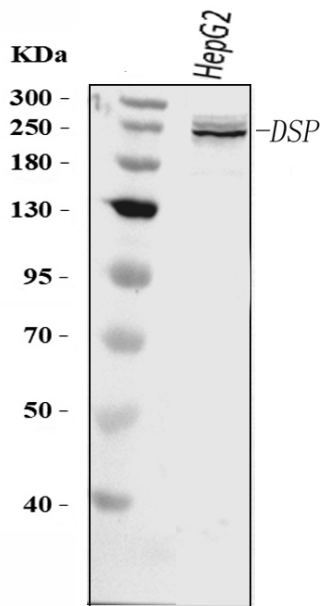


Figure 1. Western blot analysis of anti-DSP Antibody (A00616-2).

The sample well of each lane was loaded with 50ug of sample under reducing conditions.

Lane 1: HEPG2 whole cell lysate.

Use rabbit anti-DSP 1:1000, probed with a goat anti-rabbit IgG-HRP secondary antibody. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002). A specific band was detected for DSP at approximately 250KD. The expected band size for DSP is at 332KD.