

Basic Information

Product Name	Anti-Desmoplakin/DSP Antibody	
Gene Name	DSP	
Source	Rabbit	
Clonality	Polyclonal	
Isotype	IgG	
Species Reactivity	human	
Tested Application	WB, FCM, ELISA	
Contents	500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg/ml BSA and 50% glycerol.	
Immunogen	E. coli-derived human Desmoplakin/DSP recombinant protein (Position: N69-H2195). Human DSP shares 94.6% amino acid (aa) sequence identity with mouse DSP.	
Concentration	500 ug/ml	
Purification	Immunogen affinity purified.	
Observed MW	250 kDa	
Dilution Ratios	Western blot (WB):	1:500-2000
	Flow Cytometry (Fixed):	1:50-200
	Enzyme linked immunosorbent assay (ELISA):	1:100-1000

Storage

12 months from date of receipt, -20°C as supplied.

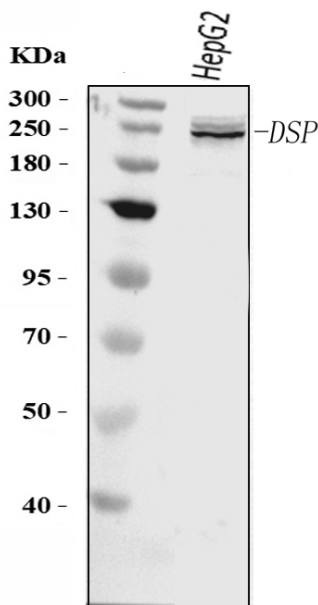
Background Information

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.

Reference

Anti-Desmoplakin/DSP Antibody被引用在1文献中。

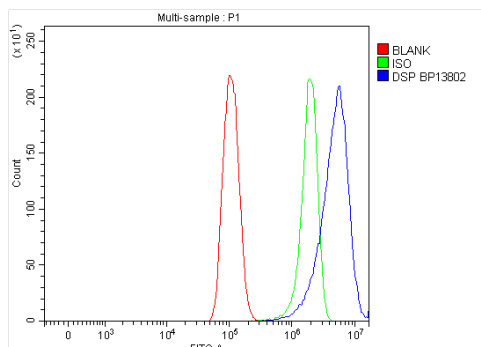
Selected Validation Data



Western blot analysis of Desmoplakin/DSP using anti-Desmoplakin/DSP antibody (A00616-2). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: HEPG2 whole cell lysates.

After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-Desmoplakin/DSP antigen affinity purified polyclonal antibody (A00616-2) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for Desmoplakin/DSP at approximately 250 kDa. The expected band size for Desmoplakin/DSP is at 332 kDa.



Flow Cytometry analysis of PC-3 cells using anti-Desmoplakin/DSP antibody (A00616-2).

Overlay histogram showing PC-3 cells stained with A00616-2 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-Desmoplakin/DSP Antibody (A00616-2) at 1:100 dilution for 30 min at 20°C. DyLight®488 conjugated goat anti-rabbit IgG (BA1127) was used as secondary antibody at 1:100 dilution for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG at 1:100 dilution used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.