

Rabbit anti-Human Desmoplakin/DSP Polyclonal Antibody | anti-DSP antibody

Anti-Desmoplakin/DSP Antibody Picoband

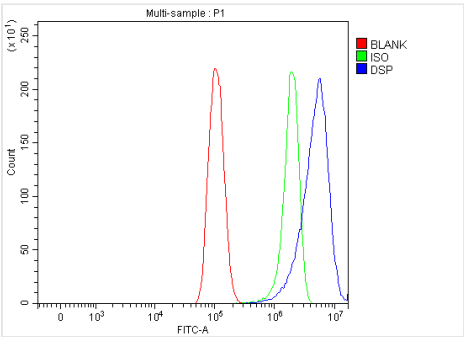
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126048	Rabbit	Human	Western Blot, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

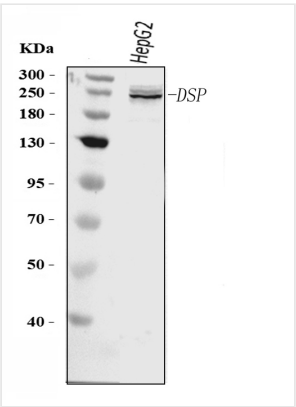
Desmoplakin/DSP; Polyclonal Antibody; Anti-Desmoplakin/DSP Antibody Picoband; anti-DSP antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-DSP antibody	WB (Western Blot), FCM/FACS (Flow Cytometry), ELISA
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human Desmoplakin/DSP recombinant protein (Position: N69-H2195).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)
Figure 2. Flow Cytometry analysis of PC-3 cells using anti-Desmoplakin/DSP antibody (AAA126048). Overlay histogram showing PC-3 cells stained with AAA126048 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-Desmoplakin/DSP Antibody (AAA126048, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)
Figure 1. Western blot analysis of Desmoplakin/DSP using anti-Desmoplakin/DSP antibody (AAA126048). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human HepG2 whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-Desmoplakin/DSP antigen affinity purified polyclonal antibody (#AAA126048) at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1% Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for Desmoplakin/DSP at approximately 250 kDa. The expected band size for Desmoplakin/DSP is at 250 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-DSP antibody	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.
Product Categories/Family for anti-DSP antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	58530842
NCBI GeneID	1832
NCBI Accession #	NP_001008844.1
NCBI GenBank Nucleotide #	NM_001008844.1
UniProt Accession #	P15924; O75993; Q14189; Q9UHN4; B2RTT2; D7RX09
Molecular Weight	331,774 Da
NCBI Official Full Name	desmoplakin isoform II
NCBI Official Synonym Full Names	desmoplakin
NCBI Official Symbol	DSP
NCBI Official Synonym Symbols	DP; DPI; DP11
NCBI Protein Information	desmoplakin; desmoplakin I; desmoplakin II; 250/210 kDa paraneoplastic pemphigus antigen
UniProt Protein Name	Desmoplakin

UniProt Gene Name	DSP
UniProt Synonym Gene Names	DP
UniProt Entry Name	DESP_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/desmoplakin-dsp-antibody-western-blot-flow-cytometry-elisa/126048>