

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

Rabbit anti-Desmoplakin Antibody, Affinity Purified

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                              |
|-----------|--------|------------|-------------------------------------------|
| AAA212155 | Rabbit | Human      | Immunohistochemistry, Immunoprecipitation |

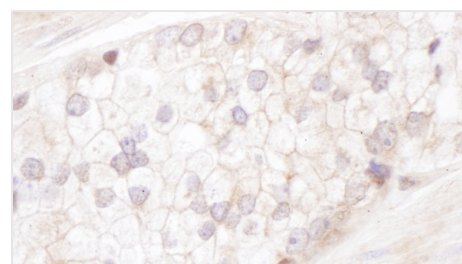
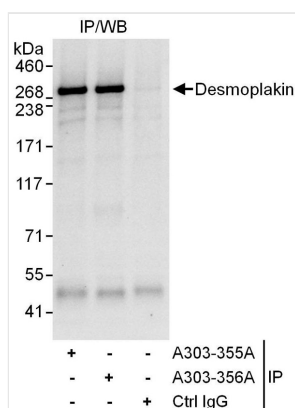
### PRODUCT SYNONYMS

Desmoplakin; Polyclonal Antibody; Rabbit anti-Desmoplakin Antibody; Affinity Purified; DP; desmoplakin; 250/210 kDa paraneoplastic pemphigus antigen; DCWHKTA; anti-DSP antibody

### PRODUCT SPECIFICATIONS

|                                               |                                                                                           |
|-----------------------------------------------|-------------------------------------------------------------------------------------------|
| Host                                          | Rabbit                                                                                    |
| Reactivity                                    | Human                                                                                     |
| Clonality                                     | Polyclonal                                                                                |
| Purity/Purification                           | Antigen Affinity Purified                                                                 |
| Form/Format                                   | Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide |
| Concentration                                 | 1000ug/ml (varies by lot)                                                                 |
| Applicable Applications for anti-DSP antibody | IHC (Immunohistochemistry), IP (Immunoprecipitation)                                      |
| Immunogen                                     | Between 1925 and 1975                                                                     |
| Conjugation                                   | Unconjugated                                                                              |
| Preparation and Storage                       | Store at 2-8 degree C<br>Shelf Life: 1 year from date of receipt                          |

### IMAGES



#### IHC (Immunohistochemistry)

Detection of human Desmoplakin by immunohistochemistry. Sample: FFPE section of human prostate carcinoma. Antibody: Affinity purified rabbit anti-Desmoplakin (Cat. No. AAA212155 Lot1) used at a dilution of 1:1,000 (1ug/ml). Detection: DAB

#### IP (Immunoprecipitation)

Detection of human Desmoplakin by western blot of immunoprecipitates. Samples: Whole cell lysate (1 mg for IP, 20% of IP loaded) from HeLa cells. Antibodies: Affinity purified rabbit anti-Desmoplakin antibody AAA212155 used for IP at 6 ug/mg lysate. Desmoplakin was also immunoprecipitated by rabbit anti-Desmoplakin antibody which recognizes an upstream epitope. For blotting immunoprecipitated Desmoplakin, was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.

ADDITIONAL INFORMATION

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-DSP antibody | Desmosomes are intercellular junctions that tightly link adjacent cells. Desmoplakin is an obligate component of functional desmosomes that anchors intermediate filaments to desmosomal plaques. The N-terminus of desmoplakin is required for localization to the desmosome and interacts with the N-terminal region of plakophilin 1 and plakoglobin. The C-terminus of desmoplakin binds with intermediate filaments. In the mid-region of desmoplakin, a coiled-coiled rod domain is responsible for homodimerization. Mutations in DSP, the gene encoding desmoplakin, are the cause of several cardiomyopathies and keratodermas as well as the autoimmune disease paraneoplastic pemphigus [taken from NCBI Entrez Gene (Gene ID: 1832)]. |
| Product Categories/Family for anti-DSP antibody   | Primary Antibodies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                          |
|----------------------------------|------------------------------------------------------------------------------------------|
| NCBI GI #                        | 58530840                                                                                 |
| NCBI GeneID                      | 1832                                                                                     |
| NCBI Accession #                 | NP_004406.2                                                                              |
| NCBI GenBank Nucleotide #        | NM_004415.2                                                                              |
| UniProt Accession #              | P15924; O75993; Q14189; Q9UHN4; B2RTT2; D7RX09                                           |
| Molecular Weight                 | 278,916 Da                                                                               |
| NCBI Official Full Name          | desmoplakin isoform I                                                                    |
| NCBI Official Synonym Full Names | desmoplakin                                                                              |
| NCBI Official Symbol             | DSP                                                                                      |
| NCBI Official Synonym Symbols    | DP; DPI; DPII; DCWHKTA                                                                   |
| 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](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/polyclonal/desmoplakin-antibody-immunohistochemistry-immunoprecipitation-elisa/212155>