

## Rabbit anti-Human, Mouse DSP Polyclonal Antibody | anti-DSP antibody

DSP Polyclonal Antibody

| CATALOG # | HOST   | REACTIVITY   | APPLICATIONS                       |
|-----------|--------|--------------|------------------------------------|
| AAA280416 | Rabbit | Human, Mouse | Immunohistochemistry, Western Blot |

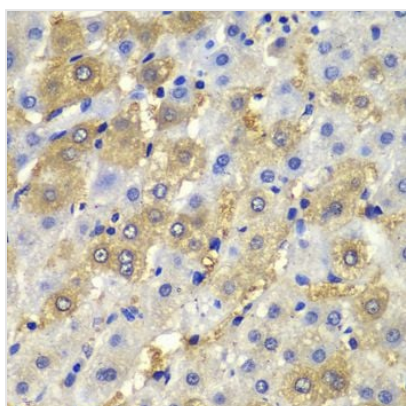
### PRODUCT SYNONYMS

DSP; Polyclonal Antibody; DSP Polyclonal Antibody; anti-DSP antibody

### PRODUCT SPECIFICATIONS

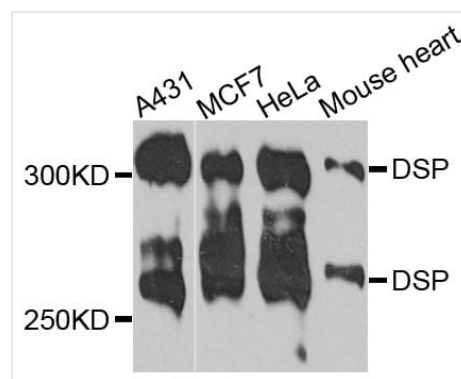
|                                               |                                                                                                                 |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| Host                                          | Rabbit                                                                                                          |
| Reactivity                                    | Human, Mouse                                                                                                    |
| Clonality                                     | Polyclonal                                                                                                      |
| Isotype                                       | IgG                                                                                                             |
| Specificity                                   | Desmoplakin1 and Desmoplakin2                                                                                   |
| Purity/Purification                           | Affinity Purification                                                                                           |
| Sequence Length                               | 2272                                                                                                            |
| Applicable Applications for anti-DSP antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                   |
| Route                                         | Synthetic Peptide                                                                                               |
| Immunogen                                     | A synthetic peptide of human DSP                                                                                |
| Preparation and Storage                       | Store at -20 degree C. Avoid freeze / thaw cycles.<br>Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3. |

### IMAGES



#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human liver injury using DSP antibody at dilution of 1:100 (40x lens).



#### WB (Western Blot)

Western blot analysis of extracts of various cell lines, using DSP antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 90s.

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 this gene are the cause of several cardiomyopathies and keratodermas as well as the autoimmune disease paraneoplastic pemphigus. |
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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                 | 332kDa                                         |
| NCBI Official Full Name          | desmoplakin isoform II                         |
| NCBI Official Synonym Full Names | desmoplakin                                    |
| NCBI Official Symbol             | DSP                                            |
| NCBI Official Synonym Symbols    | DP; DPI; DPII; DCWHKTA                         |
| NCBI Protein Information         | desmoplakin                                    |
| 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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/dsp-antibody-immunohistochemistry-western-blot-elisa/280416>