

## DSP

**Reactivity:** Human Mouse

**Tested applications:** WB IHC

**Recommended Dilution:** WB 1:500 - 1:2000 IHC 1:50 - 1:200

**Calculated MW:** 332kDa

**Observed MW:** Refer to figures

**Immunogen:**

A synthetic peptide of human DSP

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

DP; DPI; DPII; DCWHKTA;

**Catalog #:** A7635

**Antibody Type:**

Polyclonal Antibody

**Species:** Rabbit

**Gene ID:** 1832

**Isotype:** IgG

**Swiss Prot:** P15924

**Purity:** Affinity purification

For research use only.

**Background:**

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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