

Datasheet for 600-401-J65**Desmoplakin phospho S2849 Antibody****Overview**

Description:	Anti-Desmoplakin pS2849 (RABBIT) Antibody - 600-401-J65
Item No.:	600-401-J65
Size:	50 µg
Applications:	ELISA, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	Desmoplakin pS2849 is high molecular weight protein of desmosomes. It is a member of the plakin or cytolinker family and is involved in the organization of the desmosomal cadherin-plakoglobin complexes into plasma membrane domains in the anchoring of intermediate filaments to the desmosomes. The phosphorylation theoretically affects its association with epidermal, simple cytokeratins and VIM intermediate filaments. Defects in DSP are the cause of keratosis palmoplantaris striata II, Carvajal syndrome, and arrhythmogenic right ventricular cardiomyopathy 8. Anti-Desmoplakin pS2849 Antibody is ideal for researchers interested in Cell Structure research.
Synonyms:	rabbit Anti-Desmoplakin pS2849 antibody, 250/210 kDa paraneoplastic pemphigus antigen, DP, DSP, DPI, DPII
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	DSP
Reactivity:	Human
PTM Specificity:	Phosphorylation
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-Desmoplakin pS2849 affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic phospho-peptide near the C-terminus of human Desmoplakin protein.
Purity/Specificity:	Anti-Desmoplakin pS2849 was affinity purified from monospecific antiserum by immunoaffinity chromatography and is directed against the phosphorylated form of the S2849 human residue. A BLAST analysis was used to suggest cross-reactivity with mouse and human based on 100% sequence homology. Cross-reactivity with Desmoplakin pS2849 from other sources has not been determined.
Relevant Links:	• UniProtKB - P15924

Application Details

Tested Applications:	ELISA, WB
Application Note:	Anti-Desmoplakin pS2849 antibody tested in ELISA and western blot and is useful for Immunohistochemistry. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately ~331kDa corresponding to the appropriate cell lysate or extract.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1: 10,000
WB:	1ug/ml

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	0.67 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Stabilizer:	30% Glycerol

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

References

- Bartle EI et al. Protein exchange is reduced in calcium-independent epithelial junctions. *J Cell Biol.* (2020)

Disclaimer

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