Datasheet for ABIN7454486
anti-Desmoplakin antibody (AA 1900-1950)

Overview

Quantity:	100 μg
Target:	Desmoplakin (DSP)
Binding Specificity:	AA 1900-1950
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Desmoplakin antibody is un-conjugated
Application:	Immunoprecipitation (IP), Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections) (IHC (fp))

Product Details

Purpose:	Rabbit anti-Desmoplakin Antibody, Affinity Purified
Immunogen:	between AA 1900 and 1950
Isotype:	IgG
Purification:	Affinity Purified

Target Details

Target:	Desmoplakin (DSP)
Alternative Name:	Desmoplakin (DSP Products)
Background:	Background: Desmosomes are intercellular junctions that tightly link adjacent cells.

Target Details

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)].

Gene ID:	1832
NCBI Accession:	NP_004406
UniProt:	P15924
Pathways:	Cell-Cell Junction Organization

Application Details

Application Notes:	IHC: 1:500 - 1:2,000. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections. IP: 2 - 10 µg/mg lysate WB: Not recommended
Restrictions:	For Research Use only

Handling

Concentration:	1000 µg/mL
Buffer:	Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09 % Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Expiry Date:	12 months