



Anti-DSC3 (aa 585-684) polyclonal antibody (DPAB-DC787)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene is a calcium-dependent glycoprotein that is a member of the desmocollin subfamily of the cadherin superfamily. These desmosomal family members, along with the desmogleins, are found primarily in epithelial cells where they constitute the adhesive proteins of the desmosome cell-cell junction and are required for cell adhesion and desmosome formation. The desmosomal family members are arranged in two clusters on chromosome 18, occupying less than 650 kb combined. Mutations in this gene are a cause of hypotrichosis and recurrent skin vesicles disorder. The protein can act as an autoantigen in pemphigus diseases, and it is also considered to be a biomarker for some cancers. Alternative splicing of this gene results in multiple transcript variants.
Immunogen	DSC3 (NP_001932, 585 a.a. ~ 684 a.a) partial recombinant protein with GST tag. The sequence is CKPKMGYTDILAVDPDEPVHGAPFYFSLPNTSPEISRLWSLTKVNDTAARLSYQKNAGFQ EYTIPITVKDRAGQAATKLLRVNLCECTHPTQCRATSRST
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	DSC3 desmocollin 3 [Homo sapiens (human)]
Official Symbol	DSC3
Synonyms	DSC3; desmocollin 3; DSC; DSC1; DSC2; DSC4; CDHF3; HT-CP; desmocollin-3; desmocollin-4; cadherin family member 3;
Entrez Gene ID	1825
Protein Refseq	NP_001932
UniProt ID	Q14574
Chromosome Location	18q12.1
Function	calcium ion binding; gamma-catenin binding;