

## **Dsg1 Polyclonal Antibody**

Catalog No: YT1417

**Reactivity:** Human; Mouse

**Applications:** WB;ELISA

Target: Dsg1

**Fields:** >>Staphylococcus aureus infection

Q02413

Gene Name: DSG1

Protein Name: Desmoglein-1

Human Gene Id: 1828

**Human Swiss Prot** 

No:

**Immunogen:** The antiserum was produced against synthesized peptide derived from human

DSG1. AA range:161-210

**Specificity:** Dsg1 Polyclonal Antibody detects endogenous levels of Dsg1 protein.

**Formulation :** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

**Dilution:** WB 1:500 - 1:2000. ELISA: 1:40000. Not yet tested in other applications.

**Purification:** The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band: 114kD

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#### **Background:**

This gene encodes a member of the desmoglein protein subfamily. Desmogleins, along with desmocollins, are cadherin-like transmembrane glycoproteins that are major components of the desmosome. Desmosomes are cell-cell junctions that help resist shearing forces and are found in high concentrations in cells subject to mechanical stress. This gene is found in a cluster with other desmoglein family members on chromosome 18. The encoded protein has been identified as a target of auto-antibodies in the autoimmune skin blistering disease pemphigus foliaceus. Disruption of this gene has also been associated with the skin diseases palmoplantar keratoderma and erythroderma. [provided by RefSeq, Feb 2015],

#### **Function:**

disease:Defects in DSG1 are the cause of palmoplantar keratoderma striate type 1 (SPPK1) [MIM:148700]; also known as keratosis palmoplantaris striata I. SPPK1 is a dermatoligical disorder characterized by thickening of the skin on the palms and soles, and longitudinal hyperkeratotic lesions on the palms, running the length of each finger.,domain:Calcium may be bound by the cadherin-like repeats .,function:Component of intercellular desmosome junctions. Involved in the interaction of plaque proteins and intermediate filaments mediating cell-cell adhesion.,similarity:Contains 4 cadherin domains.,tissue specificity:Epidermis, tongue, tonsil and esophagus.,

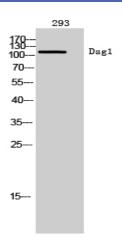
### Subcellular Location :

Cell membrane ; Single-pass type I membrane protein . Cell junction, desmosome.

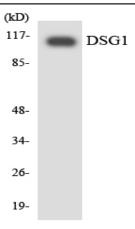
### **Expression:**

Epidermis, tongue, tonsil and esophagus.

# **Products Images**



Western Blot analysis of 293 cells using Dsg1 Polyclonal Antibody



Western blot analysis of the lysates from 293 cells using DSG1 antibody.