

## DSG4 Rabbit pAb

CatalogNo: YN0641

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat

#### Applications

- WB, ELISA

#### MW

- 114kD (Observed)

#### Isotype

- IgG

### Recommended Dilution Ratios

WB 1:500-2000

ELISA 1:5000-20000

### Storage

#### Storage\*

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

#### Formulation

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

### Basic Information

#### Clonality

Polyclonal

### Immunogen Information

#### Immunogen

Synthesized peptide derived from part region of human protein

#### Specificity

DSG4 Polyclonal Antibody detects endogenous levels of protein.

### Target Information

#### Gene name

DSG4 CDHF13

**Protein Name**

Desmoglein-4 (Cadherin family member 13)

Organism	Gene ID	UniProt ID
Human	<a href="#">147409;</a>	<a href="#">Q86SJ6;</a>
Mouse		<a href="#">Q7TMD7;</a>
Rat		<a href="#">Q6W3B0;</a>

**Cellular Localization**

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

**Tissue specificity**

Highly expressed in skin, testis and prostate; less in salivary gland. In scalp follicles, present in the inner root sheath (IRS) and all layers of the matrix and precortex.

**Function**

Disease:Defects in DSG4 are the cause of localized autosomal hypotrichosis (LAH) [MIM:607903]. LAH is an autosomal recessive skin disorder. Affected members displayed hypotrichosis restricted to the scalp, chest, arms and legs. It is characterized by abnormal hair follicles and shafts, which are thin and atrophic.,Disease:DSG4 is one of the target molecules recognized by autoantibodies in patients with pemphigus vulgaris. Pemphigus vulgaris is a potentially lethal skin disease in which epidermal blisters occur as the result of the loss of cell-cell adhesion.,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. Coordinates the transition from proliferation to differentiation in hair follicle keratinocytes.,similarity:Contains 4 cadherin domains.,tissue specificity:Highly expressed in skin, testis and prostate; less in salivary gland. In scalp follicles, present in the inner root sheath (IRS) and all layers of the matrix and precortex.,

## | Validation Data

## | Contact information

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**DSG4 Rabbit pAb**

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