

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	147409 ;	Q86SJ6 ;
	Mouse		Q7TMD7 ;
	Rat		Q6W3B0 ;
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	<p>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.,</p>		

| Validation Data

| Contact information

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