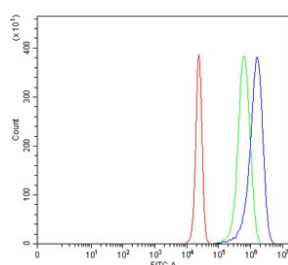


DSG3 Antibody / Desmoglein 3 (RQ6975)

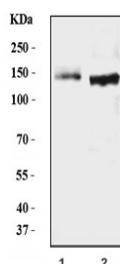
| Catalog No. | Formulation | Size |
|-------------|---|--------|
| RQ6975 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

Bulk quote request

| | |
|---------------------------|---|
| Availability | 1-3 business days |
| Species Reactivity | Human |
| Format | Antigen affinity purified |
| Clonality | Polyclonal (rabbit origin) |
| Isotype | Rabbit IgG |
| Purity | Antigen affinity purified |
| Buffer | Lyophilized from 1X PBS with 2% Trehalose |
| UniProt | P32926 |
| Applications | Western Blot : 0.5-1 ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml |
| Limitations | This DSG3 antibody is available for research use only. |



Flow cytometry testing of human HepG2 cells with DSG3 antibody at 1 ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= DSG3 antibody.



Western blot testing of human 1) A431 and 2) HaCaT cell lysate with DSG3 antibody. Predicted molecular weight: 107 kDa but may be observed at higher molecular weights due to glycosylation.

Description

Desmoglein3 is also known as PVA(Pemphigus Vulgaris Antigen). Pemphigus vulgaris(PV) and pemphigus foliaceus(PF) are autoimmune diseases of the skin which have as target antigens 2 different members of the desmoglein subfamily of the desmosomal cadherins: pemphigus vulgaris antigen(PVA, or desmoglein-3) in the case of PV and desmoglein I in the case of PF. The DSG3 gene, like the genes for DSG1 and DSG2, is located on chromosome 18. The human DSG3 gene consists of 15 exons and spans more than 23 kb. DSG3 and DSG1 are the autoantigens of pemphigus vulgaris and pemphigus foliaceus, respectively. DSG3 and DSG1 are the target antigens in PNP, and IgG autoantibodies against DSG3 in PNP sera play a pathogenic role in the loss of keratinocyte adhesion and blistering.

Application Notes

Optimal dilution of the DSG3 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids R384-Q957) was used as the immunogen for the DSG3 antibody.

Storage

After reconstitution, the DSG3 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.