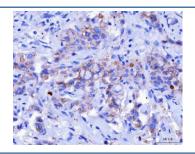


# DSG2 Antibody / Desmoglein 2 [clone 2B4D1] (RQ7648)

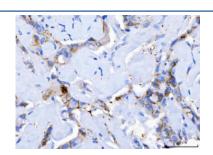
Catalog No.	Formulation	Size
RQ7648	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

## **Bulk quote request**

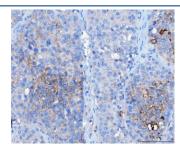
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1
Clone Name	2B4D1
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q14126
Localization	Cytoplasm, membrane (cell junctions)
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml
Limitations	This DSG2 antibody is available for research use only.



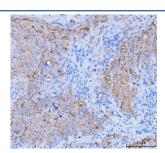
IHC staining of FFPE human breast cancer tissue with DSG2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



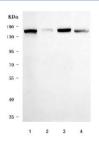
IHC staining of FFPE human breast cancer tissue with DSG2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human hepatocellular carcinoma tissue with DSG2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human laryngeal squamous cell carcinoma tissue with DSG2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of human 1) HeLa, 2) K562, 3) HepG2 and 4) A549 cell lysate with DSG2 antibody. Expected molecular weight: 122-160 kDa depending on glycosylation level.

### **Description**

Desmoglein-2 is a protein that in humans is encoded by the DSG2 gene. These desmoglein gene family members are located in a cluster on chromosome 18. This second family member is expressed in colon, colon carcinoma, and other simple and stratified epithelial-derived cell lines. Mutations in DSG2 display a high degree of penetrance. Disease expression was of variable severity with LV involvement a prominent feature. The low prevalence of classical ECG changes highlights the need to expand current diagnostic criteria to take account of LV disease, childhood disease expression, and incomplete penetrance.

#### **Application Notes**

Optimal dilution of the DSG2 antibody should be determined by the researcher.

#### **Immunogen**

E. coli-derived recombinant human protein (amino acids L24-E1020) was used as the immunogen for the DSG2 antibody.

#### **Storage**

After reconstitution, the DSG2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.