

# Product Datasheet

## Desmoglein-3 Antibody (DSG3/2839) [Alexa Fluor™ Plus 488]

**NBP3-08480AFP488**

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP3-08480AFP488**

Desmoglein-3 Antibody (DSG3/2839) [Alexa Fluor™ Plus 488]

<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C in the dark.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	DSG3/2839
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG1 Kappa
<b>Conjugate</b>	Alexa Fluor Plus 488
<b>Purity</b>	Protein A or G purified
<b>Buffer</b>	50mM Sodium Borate
<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Gene ID</b>	1830
<b>Gene Symbol</b>	DSG3
<b>Species</b>	Human
<b>Marker</b>	Squamous Cell Marker
<b>Specificity/Sensitivity</b>	Recognizes a protein of 130kDa, identified as Desmoglein-3 (DSG3). This monoclonal antibody is highly specific to Desmoglein-3 and does not cross-react with other members of the Desmoglein-family. DSG3 is a calcium-binding transmembrane glycoprotein component of desmosomes in vertebrate epithelial cells. Research has shown that DSG3 has a very high sensitivity (80%) and specificity (100%) in recognizing squamous cell carcinoma (SqCC). Therefore, DSG3 is considered a very important marker for lung SqCC and can be a useful ancillary marker to separate SqCC from other subtypes of lung cancer. Moreover, studies have shown that DSG3 expression in lung SqCC may indicate a poor prognosis.
<b>Immunogen</b>	Recombinant fragment (around aa 379-491) human Desmoglein-3 protein (exact sequence is proprietary) (Uniprot: P32926)

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<b>Product Application Details</b>	
<b>Applications</b>	Immunohistochemistry-Paraffin, Protein Array
<b>Recommended Dilutions</b>	Immunohistochemistry-Paraffin, Protein Array
<b>Application Notes</b>	Optimal dilution of this antibody should be experimentally determined.



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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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