

## Product datasheet

### anti-Desmoglein 2 mouse monoclonal, G96, supernatant

#### Short overview

<b>Cat. No.</b>	651118
<b>Quantity</b>	5 ml

#### Product description

<b>Host</b>	Mouse
<b>Antibody Type</b>	Monoclonal
<b>Isotype</b>	IgG1
<b>Clone</b>	G96
<b>Immunogen</b>	Recombinant peptide (220aa of 2nd and 3rd extracellular repeat domain)
<b>Formulation</b>	Contains 0.09% sodium azide
<b>UniprotID</b>	Q14126 (Human)
<b>Synonym</b>	Desmoglein-2, Cadherin family member 5, HDGC, DSG2, CDHF5
<b>Conjugate</b>	Unconjugated
<b>Purification</b>	Hybridoma cell culture supernatant
<b>Storage</b>	Short term at 2-8°C; long term storage in aliquots at -20°C; avoid freeze/thaw cycles
<b>Intended use</b>	Research use only
<b>Application</b>	ELISA, IHC, WB
<b>Reactivity</b>	Human
<b>No reactivity</b>	Mouse, Rat

#### Applications

<b>ELISA</b>	Assay dependent
<b>Immunohistochemistry (IHC) - frozen</b>	Ready-to-use (for better resolution preincubation (directly after fixation) with 0.05-0.2% Triton X-100, for 5-10 min, depending on tissue type, is recommended)
<b>Immunohistochemistry (IHC) - paraffin</b>	Ready-to-use (microwave treatment recommended)
<b>Western Blot (WB)</b>	Assay dependent

#### Background

Antibody recognizes desmoglein 2 present in all epithelia and in tumors derived therefrom as well as in heart muscle and dendritic reticulum cells of lymphatic follicles. In basal epithelial cells desmoglein 2 expression is generally very low.

Polypeptide reacting: Desmoglein 2 (1069aa; calculated mol. wt. 116,760).

Recommended as positive control: CaCo-2, HaCaT.

Reactivities on Cultured cell lines: Many, including CaCo-2, HaCaT, MCF-7.

## Product images



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## References

Publication	Species	Application
<a href="#">Akat, K. et al. Molecular characterization of desmosomes in meningiomas and arachnoidal tissue. Acta Neuropathol. 106, 337–347 (2003).</a>	human	WB,IHC (frozen)
<a href="#">Kurzen, H. et al. Compositionally different desmosomes in the various compartments of the human hair follicle. Differentiation 63, 295–304 (1998).</a>	human	IHC (paraffin)
<a href="#">SchÄpfel, S., Stumpp, S. &amp; Franke, W. W. Immunological identification and characterization of the desmosomal cadherin Dsg2 in coupled and uncoupled epithelial cells and in human tissues. Differentiation 60, 99–108 (1996).</a>	human	WB