

## Product datasheet

anti-Desmoplakin 1/2 mouse monoclonal, DP1 + 2-2.15,  
liquid, purified, sample

### Short overview

<b>Cat. No.</b>	690003S
<b>Quantity</b>	200 µl
<b>Concentration</b>	50 µg/ml (10 µg)

### Product description

<b>Host</b>	Mouse
<b>Antibody Type</b>	Monoclonal
<b>Isotype</b>	IgG1
<b>Clone</b>	DP1 + 2-2.15
<b>Immunogen</b>	Bovine desmoplakin 1 + 2
<b>Formulation</b>	PBS pH 7.4 with 0.09% sodium azide and 0.5% BSA
<b>UniprotID</b>	A0A3Q1MR22 (Bovine), E1BWI0 (Chicken), P15924 (Human), E9Q557 (Mouse), Q8VBY1 (Rat)
<b>Synonym</b>	Desmoplakin, DP, 250/210 kDa paraneoplastic pemphigus antigen, DSP
<b>Conjugate</b>	Unconjugated
<b>Purification</b>	Affinity chromatography
<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>	ICC/IF, IHC, WB
<b>Reactivity</b>	Bovine, Chicken, Human, Mouse, Rat

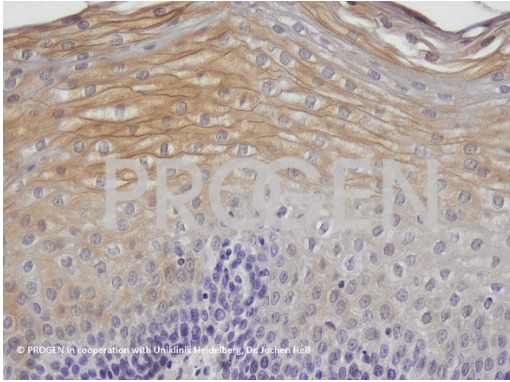
### Applications

<b>Immunocytochemistry (ICC)</b>	Assay dependent
<b>Immunohistochemistry (IHC) - frozen</b>	1:10-1:50 (1-5 µg/ml)
<b>Immunohistochemistry (IHC) - paraffin</b>	1:10-1:50 (1-5 µg/ml, microwave treatment recommended)
<b>Western Blot (WB)</b>	Assay dependent

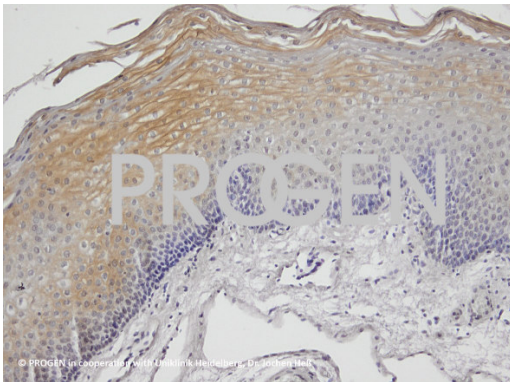
### Background

DP1 + 2-2.15 shows distinct punctate membrane staining of different epithelia. Tumors specifically detected: primary and metastatic carcinoma and meningioma. Polypeptides reacting: Desmoplakin 1 and 2 (Mr 250,000 and 215,000). The epitope recognized by clone DP1 + 2-2.15 is mapped to the N-terminus of the rod domain (Bornslaeger, E. A., 1996). Bornslaeger, E. A. Breaking the connection: displacement of the desmosomal plaque protein desmoplakin from cell-cell interfaces disrupts anchorage of intermediate filament bundles and alters intercellular junction assembly. J. Cell Biol. 134, 9851001 (1996).

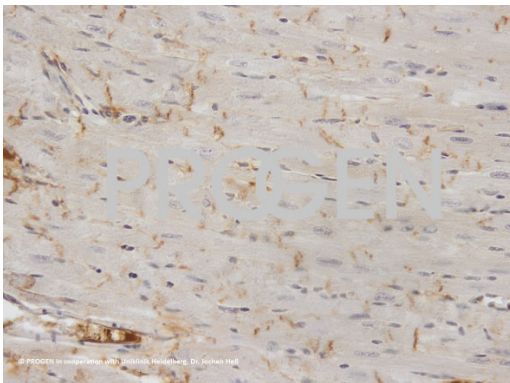
### Product images



IHC of human uvula (copyright: PROGEN in cooperation with Uniklinik Heidelberg, Dr. Jochen Hess)



IHC of human uvula (copyright: PROGEN in cooperation with Uniklinik Heidelberg, Dr. Jochen Hess)



IHC of mouse heart (copyright: PROGEN in cooperation with Uniklinik Heidelberg, Dr. Jochen Hess)