Product datasheet

anti-Desmoplakin 1 mouse monoclonal, DP-2.17, lyophilized, purified

Short overview

Cat. No.	61024
Quantity	50 µg
Concentration	50 µg/ml after reconstitution with 1 ml dist. water

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG1
Clone	DP2.17
Immunogen	Bovine desmoplakin 1
Formulation	Lyophilized; reconstitute in 1 ml dist. water (final solution contains 0.09% sodium azide, 0.5% BSA in PBS buffer, pH 7.4)
UniprotID	A0A3Q1MR22 (Bovine),E1BWI0 (Chicken),P15924 (Human),E9Q557 (Mouse),Q8VBY1 (Rat)
Synomym	Desmoplakin, DP, 250/210 kDa paraneoplastic pemphigus antigen, DSP
Conjugate	Unconjugated
Purification	Affinity chromatography
Storage before reconstitution	2-8°C until indicated expiry date
Storage after reconstitution	Up to 3 months at 2-8°C; long term storage in aliquots at -20°C; avoid freeze/thaw cycles
Intended use	Research use only
Application	IHC, WB
Reactivity	Bovine, Chicken, Human, Mouse, Rat

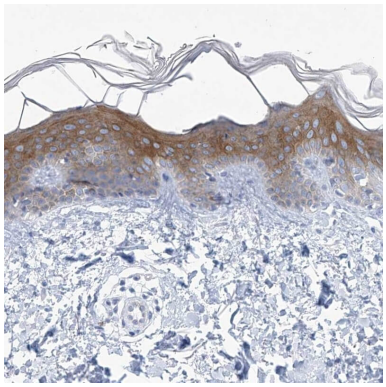
Applications

Immunohistochemistry (IHC) - frozen	1:10
Immunohistochemistry (IHC) - paraffin	1:10 (microwave treatment recommended)
Western Blot (WB)	Assay dependent

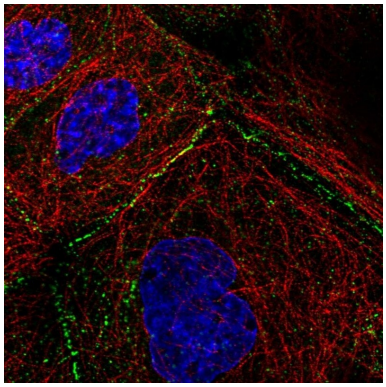
Background

DP2.17 shows distinct punctate membrane staining of epithelia. DP2.17 reacts with the rod fragment of desmoplakin 1. Polypeptide reacting: Desmoplakin no. 1 (Mr 250,000 polypeptide of desmosomal plaques) Reactivity on cultured cell lines: Several human carcinoma cell lines, such as MCF-7, A-431, TR-146; bovine cells: MDBK, BMGE Tumors specifically detected: Primary and metastatic carcinoma; meningioma

Product images



Desmoplakin 1 staining on human skin (courtesy of The Human Protein Atlas, www.proteinatlas.org, Thul PJ et al, 2017. A subcellular map of the human proteome. Science)



Desmoplakin 1 staining on A431 cells (courtesy of The Human Protein Atlas, www.proteinatlas.org, Thul PJ et al, 2017. A subcellular map of the human proteome. Science)

References

Publication	Species	Application
Homberg, M. et al. Distinct Impact of Two Keratin Mutations Causing Epidermolysis Bullosa Simplex on Keratinocyte Adhesion and Stiffness. J. Invest. Dermatol. 135, 2437â€“2445 (2015).	mouse	WB,ICC-IF
Moll, R. et al. The cardiac isoform of Î±-actin in regenerating and atrophic skeletal muscle, myopathies and rhabdomyomatous tumors: an immunohistochemical study using monoclonal antibodies. Virchows Arch. 449, 175â€“191 (2006).	rat	ICC-IF