

Product datasheet

anti-Desmoplakin 1/2 mouse monoclonal, DP447, supernatant

Short overview

Cat. No.	651155
Quantity	5 ml

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG1
Clone	DP447
Immunogen	Synthetic peptide of human desmoplakin 2 (aa 2115-2132)
Formulation	Contains 0.09% sodium azide
UniprotID	A0A3Q1MR22 (Bovine),E1BWI0 (Chicken),P15924 (Human),E9Q557 (Mouse)
Synonym	Desmoplakin, DP, 250/210 kDa paraneoplastic pemphigus antigen, DSP
Conjugate	Unconjugated
Purification	Hybridoma cell culture supernatant
Storage	Short term at 2-8°C; long term storage in aliquots at -20°C; avoid freeze/thaw cycles
Intended use	Research use only
Application	ICC/IF, IHC, WB
Reactivity	Bovine, Chicken, Human, Mouse, Trout, Zebrafish

Applications

Immunocytochemistry (ICC)	Assay dependent
Immunohistochemistry (IHC) - frozen	Ready-to-use
Immunohistochemistry (IHC) - paraffin	Ready-to-use (microwave treatment recommended)
Western Blot (WB)	Assay dependent

Background

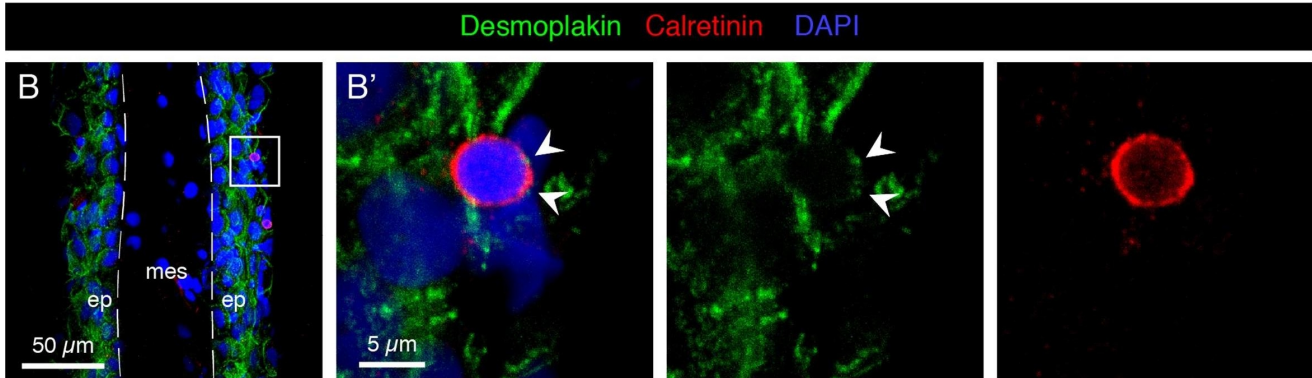
The antibody shows distinct punctate membrane staining of different epithelia. Area compositae of the myocardium of higher vertebrates are also positive. The epitope is located in a region highly conserved among species (human, zebrafish). Polypeptides reacting: Desmoplakin 1 and 2.

Reactivity on cultured cell lines: Several human carcinoma cell lines: MCF-7, A-431, HaCaT, CaCo2; bovine cells: MDBK, BMGE; RTG-2 (rainbow trout).

Product images



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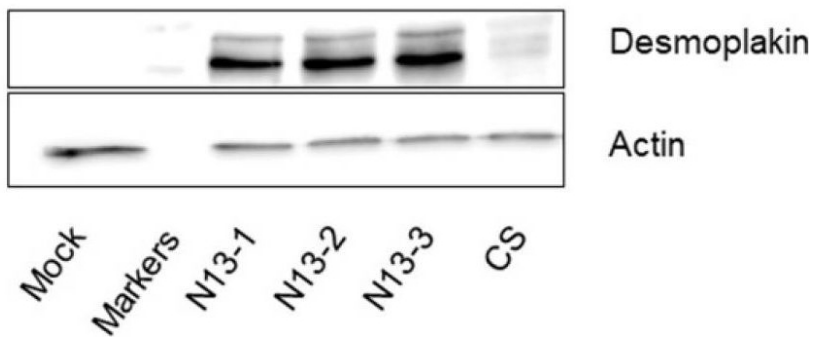


[KÄlting, D., Dagenais, P., et al. Distribution and Restoration of Serotonin-Immunoreactive Paraneuronal Cells During Caudal Fin Regeneration in Zebrafish. Front Mol Neurosci. 2019-10-17.](#) Species/Reactant: Danio rerio (Zebrafish)Applications:

Immunohistochemistry-immunofluorescenceImage collected and cropped by CiteAb from the following publication, provided under a CC-BY

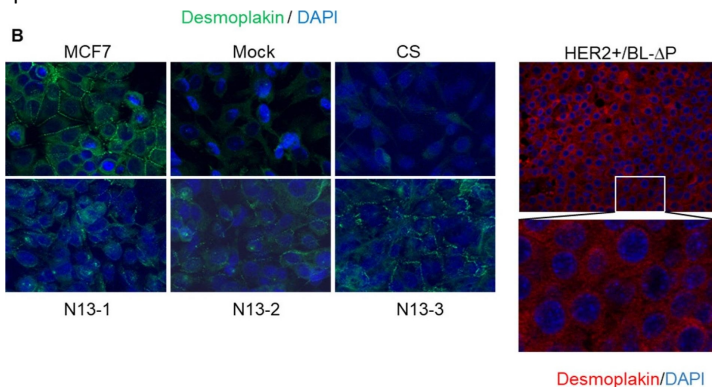
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[Hamye, M., Bernex, F., et al. PTPN13 induces cell junction stabilization and inhibits mammary tumor invasiveness. Theranostics. 2020-01-16.](#)

Species/Reactant: Homo sapiens (Human)Applications: Western BlottingImage collected and cropped by CiteAb from the following publication, provided under a CC-BY licence.



[Hamye, M., Bernex, F., et al. PTPN13 induces cell junction stabilization and inhibits mammary tumor invasiveness. Theranostics. 2020-01-16.](#)

Species/Reactant: Homo sapiens (Human)Applications: Immunocytochemistry-immunofluorescenceImage collected and cropped by CiteAb from the following publication, provided under a CC-BY licence.

References

Publication	Species	Application
Hamyeh, M. et al. PTPN13 induces cell junction stabilization and inhibits mammary tumor invasiveness. Theranostics 10, 1016â€“1032 (2020).	Human	ICC-IF, WB
Hamyeh, M. et al. PTPN13 induces cell junction stabilization and inhibits mammary tumor invasiveness. Theranostics 10, 1016â€“1032 (2020).	human	WB, ICC-IF
Giuliodori, A. et al. Loss of cardiac Wnt/β-catenin signalling in desmoplakin-deficient AC8 zebrafish models is rescuable by genetic and pharmacological intervention. Cardiovasc.Res. 114, 1082-1097 (2018)	zebrafish	whole mount
Dingare, C. et al. The Hippo pathway effector Taz is required for cell morphogenesis and fertilization in zebrafish. Development. 145, (2018)	zebrafish	whole mount
Jennemann, R. et al. Loss of ceramide synthase 3 causes lethal skin barrier disruption. Hum. Mol. Genet. 21, 586â€“608 (2012).	mouse	WB,IHC (paraffin)