Product datasheet

anti-p0071 mouse monoclonal, 433.10.3, supernatant

Short overview

Cat. No.	651164
Quantity	5 ml

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG1
Clone	433.10.3
Immunogen	Synthetic peptide of human p0071 (aa position 1170-1192: DFYSTKRPSYRAEQYPGSPDSWV)
Formulation	Contains 0.09% sodium azide
UniprotID	Q99569 (Human)
Synomym	Plakophilin-4, p0071, PKP4
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, Human, Mouse

Applications

Immunocytochemistry (ICC)	Ready-to-use
Immunohistochemistry (IHC) - frozen	Ready-to-use
Immunohistochemistry (IHC) - paraffin	Ready-to-use (microwave treatment recommended)
Western Blot (WB)	1:10-1:50

Background

Detects a plaque protein (p0071) specific for a subtype of adherens junctions, with a molecular mass of 135 kDa and is closely related to neurojungin / delta-catenin and ARVC (all belonging to the p120 armadillo subfamily). p0071 is specifically detected in the plaques of the composite junctions (area compositae) of cardiac intercalated disks, in puncta adhaerentia of single- and multi-layered epithelia and blood vessel endothelial cells.; it is, however, absent from desmosomes. This protein was also described as plakophilin 4.Reactivity on cultured cell lines: MCF-7, A431, CaCo-2, HT-29, PLC, 16HBE14o, HaCaT, SV80, U333 CG, 3T3, RVF-SMC, MH1C1Positive control: MCF-7 cells

Product images

anti-p0071 mouse monoclonal, 433.10.3, supernatant

References

Publication	Species	Application
Hofmann, I., Schlechter, T., Kuhn, C., Hergt, M. & Franke, W. W. Protein p0071 - an armadillo plaque protein that characterizes a specific subtype of adherens junctions. J. Cell Sci. 122, 21â€“24 (2009).	human	WB,IHC (frozen)
Hofmann, I., Kuhn, C. & Franke, W. W. Protein p0071, a major plaque protein of non-desmosomal adhering junctions, is a selective cell-type marker. Cell Tissue Res. 334, 381â€“399 (2008).	human	IHC (frozen),IEM