

Product datasheet

anti-p0071 guinea pig polyclonal, serum

Short overview

Cat. No.	GP71
Quantity	100 µl

Product description

Host	Guinea pig
Antibody Type	Polyclonal
Immunogen	Synthetic peptide cocktail of human p0071: Peptide 1-1 to 1-4 (aa positions: aa 85-104; aa 173-193; aa 359-382; aa 407-430)
Formulation	Contains 0.09% sodium azide and 0.5% BSA
UniprotID	Q99569 (Human)
Synonym	Plakophilin-4, p0071, PKP4
Note	Centrifuge prior to opening
Conjugate	Unconjugated
Purification	Stabilized antiserum
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, IEM, IHC, WB
Reactivity	Bovine, Human, Mouse

Applications

Immunocytochemistry (ICC)	1:100
Cell-based Assay	Assay dependent
Immunohistochemistry (IHC) - frozen	Assay dependent
Immunohistochemistry (IHC) - paraffin	Assay dependent (microwave treatment recommended)
Western Blot (WB)	1:1,000

Background

Stains an armadillo plaque protein that characterizes a specific subtype of adherens junctions. This plaque protein (p0071) is specific for a subtype of adherens junctions, with a molecular mass of 135 kD. 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.

Reactivity on cultured cell lines: MCF-7, MH1C1, 3T3, RVF-SMV

Positive control: MCF-7

Product images



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References

Publication	Species	Application
Domke, L and Franke, W. The cell-cell junctions of mammalian testes..., Cell Tissue Res, 375, 451-482, (2019)	pig	ICC-IF
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, 21-24 (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, 381-399 (2008).	human	IHC (frozen), IEM