

Product datasheet for **AM09133SU-N**

Plakophilin 4 (PKP4) (Multi-Epitope Cocktail) Mouse Monoclonal Antibody [Clone ID: p0071 (406.3.1/ 433.10.3/7.7.9)]

Product data:

Product Type:	Primary Antibodies
Clone Name:	p0071 (406.3.1/ 433.10.3/7.7.9)
Applications:	IF, IHC, WB
Recommended Dilution:	Immunoblotting (1/10-1/50). Immunofluorescence (undiluted). Immunohistochemistry on Frozen Sections (undiluted). Immunohistochemistry on Paraffin Sections (undiluted). <i>Positive Control:</i> MCF-7 cells. <i>Incubation Time:</i> 1-1.5 hour at RT.
Reactivity:	Bovine, Human, Mouse
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Synthetic peptides of human p0071 also described as plakophilin-4
Specificity:	Detects a plaque protein (p0071) specific for a subtype of adherens junctions, with a Molecular Mass of 135 kD 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. Reactivities on Cultured Cell Lines (tested so far): MCF-7, A431, CaCo-2, HT-29, PLC, 16HBE14o, HaCaT, SV80, U333 CG, 3T3, RVF-SMC, MH1C1.
Formulation:	State: Supernatant State: Liquid culture supernatant containing 0.09% Sodium azide
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



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Gene Name:	plakophilin 4
Database Link:	Entrez Gene 8502 Human Q99569
Background:	Plakophilin 4 (PKP4) is an Armadillo-like protein, characterized by a series of armadillo repeats. It is a component of desmosomal plaques and may play a role in junctional plaque organization.
Synonyms:	PKP4, p0071