

## Product datasheet for **AM09132SU-N**

### Plakophilin 4 (PKP4) (85-104) Mouse Monoclonal Antibody [Clone ID: 7.7.9 (p0071-1)]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	7.7.9 (p0071-1)
Applications:	IF, IHC, WB
Recommended Dilution:	<b>Immunoblotting:</b> 1/10-1/50. <b>Immunofluorescence:</b> Undiluted. <b>Immunohistochemistry on Frozen Sections:</b> Undiluted. <b>Immunohistochemistry on Paraffin Sections:</b> <i>Incubation Time:</i> 1-1.5 h at RT. <i>Positive Control:</i> MCF-7 cells.
Reactivity:	Bovine, Human, Mouse
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Synthetic peptide of human p0071 (aa position 85-104: EKSPWRSTDVNTGVSKPR)
Specificity:	This antibody recognizes Plakophilin-4. 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. This protein was also described as plakophilin 4. <b>Tested Reactivities on Cultured Cell Lines</b> MCF-7, A431, CaCo-2, HT-29, PLC, 16HBE14o, HaCaT, SV80, U333 CG, 3T3, RVF-SMC, MH1C1.
Formulation:	State: Supernatant State: Liquid Hybridoma Culture Supernatant Preservative: 0.09% Sodium Azide
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.



[View online »](#)

<b>Stability:</b>	Shelf life: one year from despatch.
<b>Gene Name:</b>	plakophilin 4
<b>Database Link:</b>	<a href="#">Entrez Gene 8502 Human Q99569</a>
<b>Background:</b>	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.
<b>Synonyms:</b>	PKP4, p0071