

## Product datasheet for **AP09543SU-N**

### Plakophilin 4 (PKP4) (Peptide 1-1 to 1-4) Guinea Pig Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	Western Blot: 1/1000. Immunofluorescence: 1/100. Immunohistochemistry on frozen and paraffin sections. Immunoelectron microscopy. Incubation time: 1-1.5 h at RT
Reactivity:	Bovine, Human, Mouse
Host:	Guinea Pig
Clonality:	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)
Specificity:	Stains an armadillo plaque protein that characterizes a specific subtype of adherens junctions and their functions. 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. Recommended Positive Control: MCF-7.  <b>Reactivities on cultured cell lines</b> (tested so far): MCF-7, MH1C1, 3T3, RVF-SMV.
Formulation:	State: Serum State: Liquid stabilized antiserum 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.
Gene Name:	plakophilin 4



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**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