

Product datasheet for **AP09555SU-N**

Plakophilin 3 (PKP3) (277-474) Guinea Pig Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	Immunohistochemistry on frozen and paraffin sections: 1/100. Western Blot: 1/1000. Immunofluorescence. <u>Positive tissues:</u> - stratified squamous epithelia: palmar, epidermis, scalp skin - stratified epithelia: tongue, vagina, esophagus - transitional epithelia: bladder - non-stratified (single layered) epithelia: colon, duodenum, pancreas, several glands - non-epithelial: reticulum cells of lymph node follicle <u>Negative tissues:</u> - liver, heart, skeletal muscle, endothelia (vessels)
Reactivity:	Human
Host:	Guinea Pig
Clonality:	Polyclonal
Immunogen:	Human recombinant plakophilin 3 peptide (aa 277-474) purified from E. coli
Specificity:	PP3-1 antiserum staining for plakophilin 3 is seen in most desmosomes and partly dispersed in cytoplasm under various fixation conditions (FA, MeAc long, MeAc short):
Formulation:	State: Serum State: Liquid serum containing 0.09% sodium azide
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C. DO NOT FREEZE!
Stability:	Shelf life: one year from despatch.
Gene Name:	plakophilin 3
Database Link:	<u>Entrez Gene 11187 Human Q9Y446</u>



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Background:

Plakophilin 3 is an Armadillo-like protein present in nuclei and desmosomes of epithelial cells. The expression pattern of this protein seems to be largely restricted to epithelial cell types. Plakophilin-3 can be detected along cell borders in a punctuate staining pattern typical for desmosomal proteins. In addition to the desmosomal immunolocalisation, immunostaining was observed as bright nuclear speckles. Thus, like plakophilin-1 and-2, plakophilin-3 displays a dual intracellular localisation in the desmosomal plaque and in the cell nucleus, and therefore is probably involved in signal transduction pathways between the plasma membrane and the nucleus. The human protein has a predicted molecular mass of 87 kD.

Synonyms:

Plakophilin-3