



# PKP3 Polyclonal Antibody

<b>Catalog No</b>	YP-Ab-07691
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse;
<b>Applications</b>	WB;ELISA
<b>Gene Name</b>	PKP3
<b>Protein Name</b>	Plakophilin-3
<b>Immunogen</b>	Synthesized peptide derived from part region of human protein
<b>Specificity</b>	PKP3 Polyclonal Antibody detects endogenous levels of protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000 ELISA 1:5000-20000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	87kD
<b>Cell Pathway</b>	Nucleus. Cell junction, desmosome. Nuclear and associated with desmosomes.
<b>Tissue Specificity</b>	Isoform PKP3a is found in desmosomes of most simple and stratified epithelia. Not found in foreskin fibroblasts and various sarcoma-derived cell lines. Beside dendritic reticular cells of lymphatic follicles not found in non-epithelial desmosome-bearing tissues. Isoform PKP3b is abundant in the desmosomes of stratified epithelial cell but absent in simple epithelial cells, it is also expressed in the colon and its tumors.
<b>Function</b>	function:May play a role in junctional plaques.,similarity:Belongs to the beta-catenin family.,similarity:Contains 8 ARM repeats.,subcellular location:Nuclear and associated with desmosomes.,tissue specificity:Found in desmosomes of most simple and stratified epithelia. Not found in foreskin fibroblasts and various sarcoma-derived cell lines. Beside dendritic reticular cells of lymphatic follicles not found in non-epithelial desmosome-bearing tissues.,
<b>Background</b>	This gene encodes a member of the arm-repeat (armadillo) and plakophilin gene families. Plakophilin proteins contain numerous armadillo repeats, localize to cell desmosomes and nuclei, and participate in linking cadherins to intermediate filaments in the cytoskeleton. This protein may act in cellular desmosome-dependent adhesion and signaling pathways. Two transcript variants



encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2014],

**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

**Products Images**

