



# Anti-p0071 polyclonal antibody (DPAB2380GH)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Polyclonal Antibody to p0071
<b>Antigen Description</b>	<p>Armadillo-like proteins are characterized by a series of armadillo repeats, first defined in the <i>Drosophila</i> "armadillo" gene product, that are typically 42 to 45 amino acids in length. These proteins can be divided into subfamilies based on their number of repeats, their overall sequence similarity, and the dispersion of the repeats throughout their sequences. Members of the p120(ctn)/plakophilin subfamily of Armadillo-like proteins, including CTNND1, CTNND2, PKP1, PKP2, PKP4, and ARVCF. PKP4 may be a component of desmosomal plaque and other adhesion plaques and is thought to be involved in regulating junctional plaque organization and cadherin function. Multiple transcript variants have been found for this gene, but the full-length nature of only two of them have been described so far. These two variants encode distinct isoforms.</p>
<b>Specificity</b>	<p>Stains an armadillo plaque protein that characterizes a specific subtype of adherens junctions. 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</p>
<b>Immunogen</b>	<p>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)</p>
<b>Source/Host</b>	Guinea pig
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	IB, IF, IEM, IHC-Fr, IHC (PFA fixed)
<b>Format</b>	Stabilized antiserum
<b>Size</b>	100 µl

<b>Preservative</b>	None
<b>Storage</b>	At 2-8°C

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">PKP4 plakophilin 4 [ Homo sapiens ]</a>
<b>Official Symbol</b>	PKP4
<b>Synonyms</b>	PKP4; plakophilin 4; p0071; Plakophilin-4; plakophilin-4; catenin 4; FLJ31261; FLJ42243; OTTHUMP00000204742; OTTHUMP00000204743
<b>Entrez Gene ID</b>	<a href="#">8502</a>
<b>Protein Refseq</b>	<a href="#">NP_003619</a>
<b>UniProt ID</b>	<a href="#">Q99569</a>
<b>Chromosome Location</b>	2q24.1
<b>Function</b>	protein binding