



Anti-p0071 polyclonal antibody (DPAB2380GH)

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

PRODUCT INFORMATION

Product Overview	Polyclonal Antibody to p0071
Antigen Description	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.
Specificity	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
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)
Source/Host	Guinea pig
Species Reactivity	Human
Conjugate	Unconjugated
Applications	IB, IF, IEM, IHC-Fr, IHC (PFA fixed)
Format	Stabilized antiserum
Size	100 µl

Preservative	None
Storage	At 2-8°C

GENE INFORMATION

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