



Anti-PKP4 (aa 12-110) polyclonal antibody (DPAB-DC3512)

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

PRODUCT INFORMATION

Antigen Description	<p>Armadillo-like proteins are characterized by a series of armadillo repeats, first defined in the <i>Drosophila armadillo</i> 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>
Immunogen	<p>PKP4 (NP_001005476, 12 a.a. ~ 110 a.a) partial recombinant protein with GST tag. The sequence is EGQPQTRQEAASTGPGMEPETTATTILASVKEQELQFQRLTRELEVERQIVASQLERCRL GAESPSIASTSSTEKSFPWRSTDVPNTGVSKPRVSDAVQ</p>
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	PKP4 plakophilin 4 [Homo sapiens (human)]
Official Symbol	PKP4
Synonyms	PKP4; plakophilin 4; p0071; plakophilin-4; catenin 4;
Entrez Gene ID	8502
Protein Refseq	NP_001005476
UniProt ID	Q99569
Chromosome Location	2q24.1
Function	protein binding;