



# Anti-JUP (aa 730-743) polyclonal antibody (DPABH-06746)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	Common junctional plaque protein. The membrane-associated plaques are architectural elements in an important strategic position to influence the arrangement and function of both the cytoskeleton and the cells within the tissue. The presence of plakoglobin in both the desmosomes and in the intermediate junctions suggests that it plays a central role in the structure and function of submembranous plaques. Acts as a substrate for VE-PTP and is required by it to stimulate VE-cadherin function in endothelial cells. Can replace beta-catenin in E-cadherin/catenin adhesion complexes which are proposed to couple cadherins to the actin cytoskeleton.
<b>Immunogen</b>	Synthetic peptide: GLRPPYPTADHMLA, corresponding to amino acids 730-743 of Human Plakoglobin.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Goat
<b>Species Reactivity</b>	Rat, Human
<b>Purification</b>	Immunogen affinity purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA, WB
<b>Format</b>	Liquid
<b>Size</b>	100 µg
<b>Buffer</b>	Constituents: 0.5% BSA, Tris-saline. pH 7.3
<b>Preservative</b>	0.02% Sodium Azide

**Storage**

Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

## GENE INFORMATION

Gene Name	<a href="#">JUP junction plakoglobin [ Homo sapiens ]</a>
Official Symbol	JUP
Synonyms	JUP; junction plakoglobin; DP3; PDGB; PKGB; CTNNG; DP11; ARVD12; desmoplakin-3; desmoplakin III; catenin (cadherin-associated protein), gamma 80kDa;
Entrez Gene ID	<a href="#">3728</a>
Protein Refseq	<a href="#">NP_002221.1</a>
UniProt ID	<a href="#">P14923</a>
Pathway	Acute myeloid leukemia; Adherens junctions interactions; Arrhythmogenic right ventricular cardiomyopathy; Arrhythmogenic right ventricular cardiomyopathy (ARVC)
Function	alpha-catenin binding; cadherin binding; protein binding; protein homodimerization activity