



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

Antigen Description	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.
Immunogen	Synthetic peptide: GLRPPYPTADHMLA, corresponding to amino acids 730-743 of Human Plakoglobin.
Isotype	IgG
Source/Host	Goat
Species Reactivity	Rat, Human
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	ELISA, WB
Format	Liquid
Size	100 µg
Buffer	Constituents: 0.5% BSA, Tris-saline. pH 7.3
Preservative	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	JUP junction plakoglobin [Homo sapiens]
Official Symbol	JUP
Synonyms	JUP; junction plakoglobin; DP3; PDGB; PKGB; CTNNG; DP III; ARVD12; desmoplakin-3; desmoplakin III; catenin (cadherin-associated protein), gamma 80kDa;
Entrez Gene ID	3728
Protein Refseq	NP_002221.1
UniProt ID	P14923
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