

# IHC*easy* JUP Ready-To-Use IHC Kit

Catalog Number: **KHC0263**

## General Information

Sample type:  
FFPE tissue  
Cited sample type:  
Reactivity:  
Human, Mouse, Rat  
Cited Reactivity:

Assay type:  
Immunohistochemistry  
Primary antibody type:  
Mouse Monoclonal  
Secondary antibody type:  
Polymer-HRP-Goat anti-Mouse

## Kit Component

Component	Size	Concentration
Antigen Retrieval Buffer	100 mL	50×
Washing Buffer	100 mL ×2	20×
Blocking Buffer	5 mL	RTU
Primary Antibody	5 mL	RTU
Secondary Antibody	5 mL	RTU
Chromogen Component A	0.2 mL	RTU
Chromogen Component B	4 mL	RTU
Signal Enhancer	5 mL	RTU
Counter Staining Reagent	5 mL	RTU
Mounting Media	5 mL	RTU
Control Slide	1 slide (Optional)	FFPE
Datasheet	1 Copy	
Manual	1 Copy	

## Storage Instructions

All the reagents are stored at 2-8°C. The kit is stable for 6 months from the date of receipt.

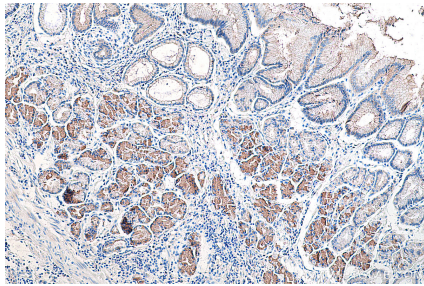
## Background

Plakoglobin ( $\gamma$ -catenin), a member of the Armadillo proteins, plays important roles in cell adhesion with  $\alpha$ -catenin and  $\beta$ -catenin, is involved in Wnt signaling, and is translocated into the nucleus and binds LEF1. Plakoglobin is a major cytoplasmic component of both desmosomes and adherens junctions, and is the only known constituent common to submembranous plaques in both of these structures, which are located at the intercalated disc (ICD) of cardiomyocytes. Plakoglobin links cadherins to the actin cytoskeleton. Mutations in plakoglobin are associated with arrhythmogenic right ventricular dysplasia and Pemphigus vulgaris.

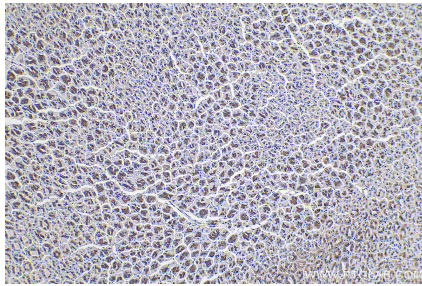
## Synonyms

ARVD12, Catenin gamma, CTNNG, Desmoplakin 3, Desmoplakin III, DP3, DP111, junction plakoglobin, JUP, PDGB, PKGB,  $\gamma$ -Catenin

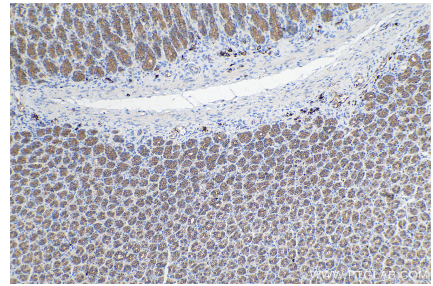
## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human stomach cancer(NAT) tissue slide using KHC0263 ( JUP IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse stomach tissue slide using KHC0263 ( JUP IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat stomach tissue slide using KHC0263 ( JUP IHC Kit).