

Datasheet for ABIN3043864  
**anti-JUP antibody (AA 556-745)**

## 6 Images

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## Overview

Quantity:	100 µg
Target:	JUP
Binding Specificity:	AA 556-745
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This JUP antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunohistochemistry (Frozen Sections) (IHC (fro))

## Product Details

Purpose:	Rabbit IgG polyclonal antibody for Junction plakoglobin(JUP) detection. Tested with WB, IHC-P, IHC-F, ICC in Human,Mouse,Rat.
Immunogen:	E.coli-derived human gamma Catenin recombinant protein (Position: M556-A745). Human gamma Catenin shares 98% amino acid (aa) sequence identity with both mouse and rat gamma Catenin.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Junction plakoglobin(JUP) detection. Tested with WB, IHC-P, IHC-F, ICC in Human,Mouse,Rat.  Gene Name: junction plakoglobin

## Product Details

Protein Name: Junction plakoglobin

Purification: Immunogen affinity purified.

## Target Details

Target: JUP

Alternative Name: JUP ([JUP Products](#))

Background: Junction plakoglobin(JUP), also known as gamma-catenin, is a protein that in humans is encoded by the JUP gene. It is a member of the catenin protein family and homologous to  $\beta$ -catenin, and it is mapped to 17q21.2. This gene encodes a major cytoplasmic protein that is the only known constituent common to submembranous plaques of both desmosomes and intermediate junctions. This protein forms distinct complexes with cadherins and desmosomal cadherins. Meanwhile, JUP may have distinct roles in Wnt signaling and cancer via differential effects on downstream target genes.

Synonyms: ARVD 12 antibody|ARVD12 antibody|Catenin (cadherin associated protein) gamma 80 kDa antibody|Catenin (cadherin associated protein), gamma 80 kDa antibody|catenin (cadherin-associated protein) gamma (80kD) antibody|Catenin gamma 80 kDa antibody|Catenin gamma antibody|CTNNG antibody|Desmoplakin 3 antibody|Desmoplakin III antibody|Desmoplakin-3 antibody|Desmoplakin3 antibody|DesmoplakinIII antibody|DP 3 antibody|DP III antibody|DP3 antibody|DPIII antibody|Gamma catenin antibody|Junction plakoglobin antibody|JUP antibody|OTTHUMP00000164732 antibody|OTTHUMP00000164735 antibody|OTTHUMP00000164738 antibody|PDGB antibody|PKGB antibody|PLAK\_HUMAN antibody|PLAKOGLOBIN antibody

Gene ID: 3728

UniProt: [P14923](#)

Pathways: [Cell-Cell Junction Organization, Maintenance of Protein Location](#)

## Application Details

Application Notes: WB: Concentration: 0.1-0.5  $\mu$ g/mL, Tested Species: Human, Mouse, Rat, The detection limit for gamma Catenin is approximately 0.25 ng/lane under reducing conditions.  
IHC-P: Concentration: 0.5-1  $\mu$ g/mL, Tested Species: Human, Mouse, Rat, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.

## Application Details

IHC-F: Concentration: 0.5-1 µg/mL, Tested Species: Rat, Predicted Species: Human

ICC: Concentration: 0.5-1 µg/mL, Tested Species: Human

Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities. Other applications have not been tested.

Optimal dilutions should be determined by end users.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P), IHC(F) and ICC.

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Concentration: 500 µg/mL

Buffer: Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05 mg Sodium azide.

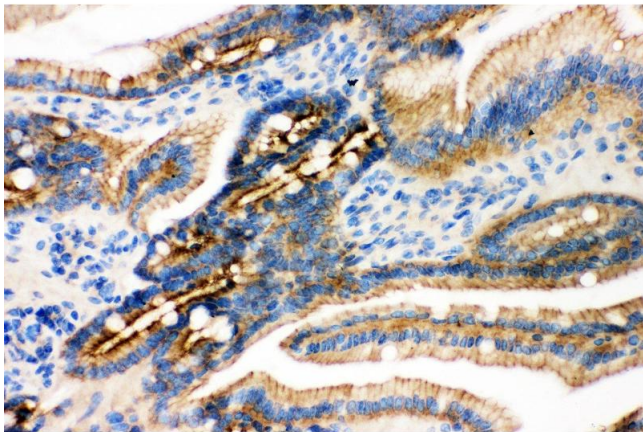
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

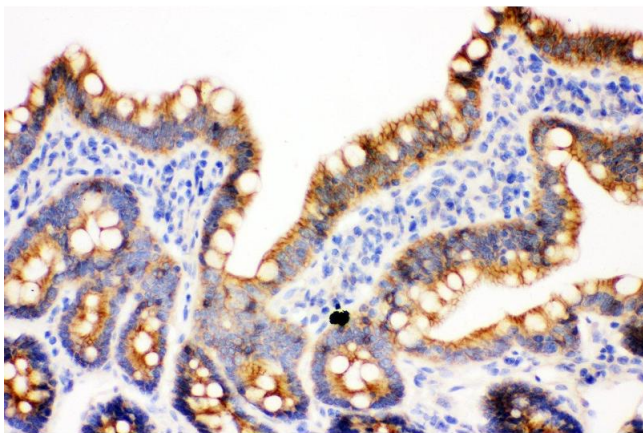
Storage: 4 °C/-20 °C

Storage Comment: At -20°C for one year. After reconstitution, at 4°C for one month.  
It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.



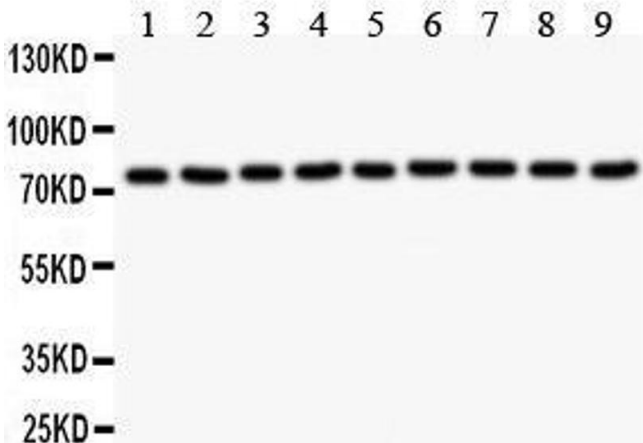
Immunohistochemistry

**Image 1.** Anti- gamma Catenin Picoband antibody, IHC(P)  
IHC(P): Mouse Intestine Tissue



Immunohistochemistry

**Image 2.** Anti- gamma Catenin Picoband antibody, IHC(P)  
IHC(P): Rat Intestine Tissue



Western Blotting

**Image 3.**

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN3043864.