

## ARG57919 anti-gamma Catenin antibody

Package: 100 µl  
Store at: -20°C

### Summary

|                     |  |
|---------------------|--|
| Product Description | Rabbit Polyclonal antibody recognizes gamma Catenin  |
| Tested Reactivity   | Hu, Ms, Rat, Dog   |
| Tested Application  | FACS, ICC/IF, IHC-P, WB  |
| Host                | Rabbit   |
| Clonality           | Polyclonal   |
| Isotype             | IgG  |
| Target Name         | gamma Catenin  |
| Species             | Human  |
| Immunogen           | Synthetic peptide derived from Human gamma Catenin.  |
| Conjugation         | Un-conjugated  |
| Alternate Names     | PKGB; DP3; CTNNG; Desmoplakin-3; DPIII; PDGB; ARVD12; Catenin gamma; Junction plakoglobin; Desmoplakin III |

### Application Instructions

| Application table | Application  | Dilution       |
|-------------------|--|----------------|
|                   | FACS   | 1:50           |
|                   | ICC/IF   | 1:50 - 1:200   |
|                   | IHC-P  | 1:50 - 1:200   |
|                   | WB   | 1:500 - 1:2000 |
| Application Note  | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. |                |
| Positive Control  | A431   |                |
| Observed Size     | ~ 85 kDa   |                |

### Properties

|                     |  |
|---------------------|--|
| Form                | Liquid   |
| Purification        | Affinity purified.   |
| Buffer              | PBS (pH 7.4), 0.02% Sodium azide and 50% Glycerol.   |
| Preservative        | 0.02% Sodium azide   |
| Stabilizer          | 50% Glycerol   |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw |

cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

**Note**

For laboratory research only, not for drug, diagnostic or other use.

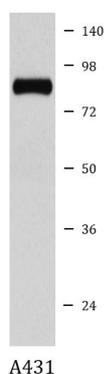
## Bioinformation

---

|                       |   |
|-----------------------|---|
| Gene Symbol           | JUP   |
| Gene Full Name        | junction plakoglobin  |
| Background            | This gene encodes a major cytoplasmic protein which 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 and is a member of the catenin family since it contains a distinct repeating amino acid motif called the armadillo repeat. Mutation in this gene has been associated with Naxos disease. Alternative splicing occurs in this gene; however, not all transcripts have been fully described. [provided by RefSeq, Jul 2008]  |
| Function              | 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 (By similarity). [UniProt] |
| Calculated Mw         | 82 kDa  |
| PTM                   | May be phosphorylated by FER. [UniProt]   |
| Cellular Localization | Membrane > Peripheral membrane protein. [UniProt]   |

## Images

---



ARG57919 anti-gamma Catenin antibody WB image

Western blot: A431 cell lysate stained with ARG57919 anti-gamma Catenin antibody.