

Anti-Catenin gamma JUP Rabbit Monoclonal Antibody
Catalog # ABO14166**Specification****Anti-Catenin gamma JUP Rabbit Monoclonal Antibody - Product Information**

Application	WB, IHC, IF, ICC, FC
Primary Accession	P14923
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid

Description

Anti-Catenin gamma JUP Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.

Anti-Catenin gamma JUP Rabbit Monoclonal Antibody - Additional Information

Gene ID 3728

Other Names

Junction plakoglobin, Catenin gamma, Desmoplakin III, Desmoplakin-3, JUP ([HGNC:6207](http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=6207))

Calculated MW

81745 MW KDa

Application Details

WB 1:500-1:2000
IHC 1:50-1:200
ICC/IF 1:50-1:200
FC 1:50

Subcellular Localization

Cell junction, adherens junction. Cell junction, desmosome. Cytoplasm, cytoskeleton. Membrane ; Peripheral membrane protein. Cytoplasmic in a soluble and membrane-associated form.

Contents

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen

A synthesized peptide derived from human Catenin gamma

Purification

Affinity-chromatography

Storage

Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Anti-Catenin gamma JUP Rabbit Monoclonal Antibody - Protein Information

Name JUP ([HGNC:6207](#))

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).

Cellular Location

Cell junction, adherens junction. Cell junction, desmosome. Cytoplasm, cytoskeleton. Cell membrane; Peripheral membrane protein. Cytoplasm {ECO:0000250|UniProtKB:Q9PVF7}. Cell junction {ECO:0000250|UniProtKB:Q9PVF7}. Nucleus {ECO:0000250|UniProtKB:Q9PVF7} Note=Cytoplasmic in a soluble and membrane-associated form. Colocalizes with DSG4 at desmosomes (PubMed:21495994)

Tissue Location

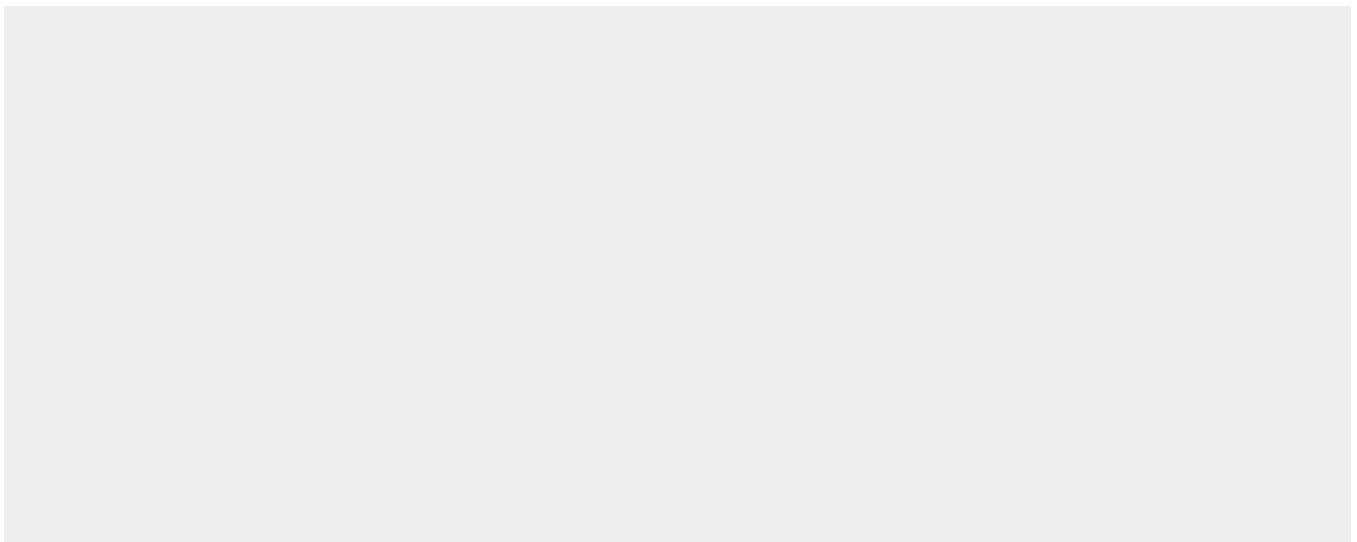
Expressed in the heart (at protein level).

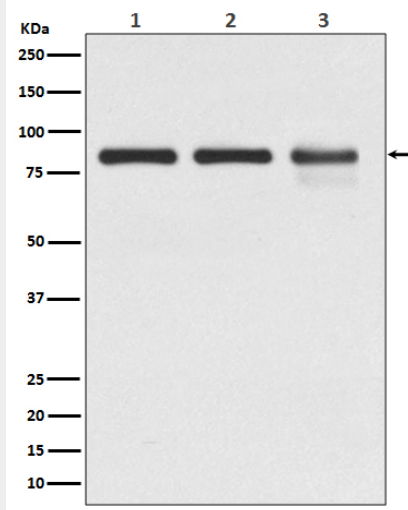
Anti-Catenin gamma JUP Rabbit Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-Catenin gamma JUP Rabbit Monoclonal Antibody - Images





Western blot analysis of Catenin gamma expression in (1) A431 cell lysate; (2) NIH 3T3 cell lysate; (3) C6 cell lysate.