

Anti-Catenin gamma JUP Rabbit Monoclonal Antibody

Catalog # ABO14166

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.

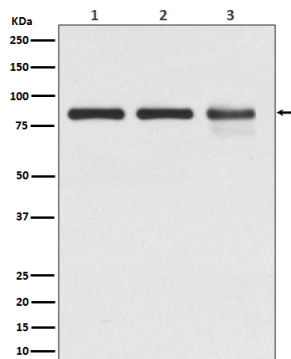
Additional Information

Gene ID	3728
Other Names	Junction plakoglobin, Catenin gamma, Desmoplakin III, Desmoplakin-3, JUP (HGNC:6207)
Calculated MW	81745
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.
Source	Eukaryota
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.
Clone Names	Clone: AOBD-10
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.

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). May promote axon outgrowth and motor fiber repair via DSP-mediated recruitment to outgrowth tips (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} Cell projection, axon {ECO:0000250 UniProtKB:Q02257}. Note=Cytoplasmic in a soluble and membrane-associated form. Colocalizes with DSG4 at desmosomes (PubMed:21495994).
Tissue Location	Expressed in cardiomyocytes in the heart (at protein level). Expressed by keratinocytes in the skin (at protein level) (PubMed:26604139).

Images



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.