

JUP Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP8993b**Specification**

JUP Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [P14923](#)**JUP Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 3728**Other Names**

Junction plakoglobin, Catenin gamma, Desmoplakin III, Desmoplakin-3, JUP, CTNNG, DP3

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP8993b](/products/AP8993b) was selected from the C-term region of human JUP. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

JUP Antibody (C-term) Blocking Peptide - 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. Membrane; Peripheral membrane protein. Note=Cytoplasmic in a soluble and membrane-associated form

Tissue Location

Expressed in the heart (at protein level).

JUP Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

JUP Antibody (C-term) Blocking Peptide - Images**JUP Antibody (C-term) Blocking Peptide - Background**

JUP is 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.

JUP Antibody (C-term) Blocking Peptide - References

Arnemann,J., et.al., Genomics 10 (3), 640-645 (1991)