

Product datasheet for **AM20592PU-N**

gamma Catenin (JUP) Mouse Monoclonal Antibody [Clone ID: CN-3]

Product data:

Product Type:	Primary Antibodies
Clone Name:	CN-3
Applications:	IF, IHC, WB
Recommended Dilution:	Western blot: Use at 0.1 - 0.5 µg/ml with the appropriate system to detect catenin Gamma (plakoglobin) in cells and tissues. Immunohistochemistry on Frozen Sections: Use at 0.5 - 1.0 µg/ml to detect Catenin Gamma (Plakoglobin) in Formalin/Acetone fixed tissues. Immunocytochemistry: Use at 1.0 µg/ml
Reactivity:	Chicken, Human, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant Chicken plakoglobin.
Specificity:	Recognizes Catenin Gamma (Plakoglobin). No cross reactivity with other proteins.
Formulation:	1.2% Sodium Acetate containing 2mg BSA and 0.01 mg Sodium Azide as preservative. State: Aff - Purified State: Lyophilized purified IgG fraction
Reconstitution Method:	Restore with 1.2% Sodium Acetate or neutral PBS.
Concentration:	0.1 mg/ml (after reconstitution with 1 ml PBS).
Purification:	Affinity Chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	junction plakoglobin
Database Link:	Entrez Gene 81679 Rat Entrez Gene 3728 Human P14923



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Background:

Junction Plakoglobin (JUP), also known as catenin gamma, is a major cytoplasmic protein that occurs in a soluble and a membrane-associated form and is the only known constituent common to the submembranous plaques of both kinds of adhering junctions, the desmosomes and the intermediate junctions. It is a component of the cadherin-catenin complex, which is predominantly localized where actin filaments anchor in adherens junctions of epithelial cells. The human plakoglobin gene localizes on chromosome 17q21. Gamma-catenin is regulated by the APC tumor suppressor and its oncogenic activity is distinct from that of beta-catenin.

Synonyms:

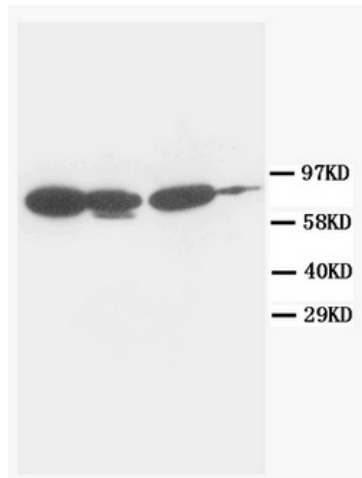
Desmoplakin-3, Desmoplakin III, Catenin gamma, JUP, CTNNG, DP3

Protein Families:

Druggable Genome

Protein Pathways:

Acute myeloid leukemia, Arrhythmogenic right ventricular cardiomyopathy (ARVC), Pathways in cancer

Product images:

Lane 1: MCF7 Whole Cell Lysate. Lane 2: HeLa Whole Cell Lysate. Lane 3: MM231 Whole Cell Lysate. Lane 4: HT1080 Whole Cell Lysate.