

Product datasheet for **AM20038PU-N**

gamma Catenin (JUP) Mouse Monoclonal Antibody [Clone ID: 15F11]

Product data:

Product Type:	Primary Antibodies
Clone Name:	15F11
Applications:	IF, IP, WB
Recommended Dilution:	Immunofluorescence with cells fixed in paraformaldehyde: The typical starting working dilution is 1/10. Immunoprecipitation. Western blot: The typical starting working dilution is 1/10.
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	The antibody detects Plakoglobin.
Formulation:	PBS State: Purified State: Liquid 0.2 µm filtered Ig fraction Stabilizer: 0.1% BSA Preservative: 0.02% Sodium Azide
Concentration:	lot specific
Purification:	Protein G Chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Gene Name:	junction plakoglobin
Database Link:	Entrez Gene 3728 Human P14923



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Background:

Plakoglobin, also known as gamma-catenin belongs together with alpha- and beta catenin to the catenin family. Catenins mediates cell-cell adhesion by interaction with cadherins. Plakoglobin is found in desmosomes and adherens junctions. Plakoglobin is highly homologous to beta-catenin although its function differs from that of beta-catenin. Whereas beta-catenin has been found in potentiating hyperproliferation and tumor formation, plakoglobin can suppress tumorigenicity. Overexpression of plakoglobin has been shown to suppress cell proliferation and cell tumorigenicity in animals. Furthermore reduced plakoglobin expression has been found in tumor tissues and metastatic lesions of renal cells, esophageal carcinomas and in skin carcinomas.

Synonyms:

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