

Product datasheet for **AP06039PU-N**

gamma Catenin (JUP) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	Immunofluorescence: 1/50-1/200. Immunohistochemistry on Paraffin sections: 1/50-1/200. Western blot: 1/500-1/1000.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to amino acids 700-750 of Human Catenin-γ.
Specificity:	This antibody detects endogenous levels of Catenin-γ / Junction plakoglobin protein.
Formulation:	Phosphate buffered saline (PBS), pH 7.2. State: Aff - Purified State: Liquid purified Ig fraction Preservative: 0.05% sodium azide
Concentration:	1.0 mg/ml
Purification:	Affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE)
Conjugation:	Unconjugated
Storage:	Store 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.
Predicted Protein Size:	~ 82 kDa
Gene Name:	junction plakoglobin
Database Link:	Entrez Gene 3728 Human P14923



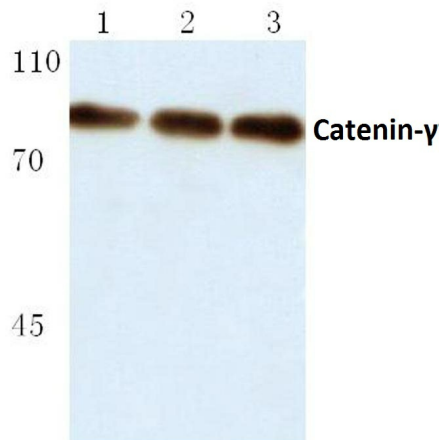
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Background:

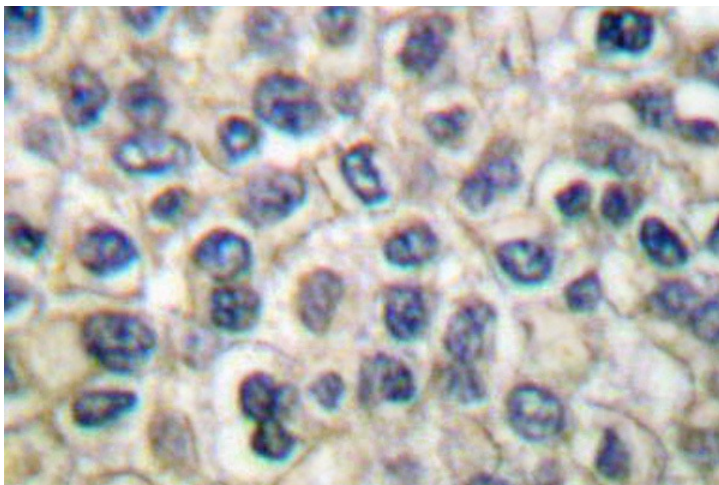
The catenins, α , β and γ , are proteins which bind to the highly conserved, intracellular cytoplasmic tail of E-cadherin. Together, the catenin/cadherin complexes play an important role mediating cellular adhesion. α -catenin was initially described as an E-cadherin associated protein, and since has been shown to associate with other members of the cadherin family, such as N-cadherin and P-cadherin. β -catenin associates with the cytoplasmic portion of E-cadherin, which is necessary for the function of E-cadherin as an adhesion molecule. β -catenin has also been found in complexes with the tumor suppressor protein APC. γ -catenin, also known as plakoglobin, binds with α -catenin and N-cadherin. It has been shown that the transmembrane phosphatase PTP μ associates with catenin/cadherin complexes and may regulate complex signaling.

Synonyms:

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

Product images:

Western blot (WB) analysis of Catenin- γ antibody at 1/500 dilution Lane 1: Hela cell lysate Lane 2: NIH-3T3 cell lysate Lane 3: Rat brain tissue lysate



Immunohistochemical analysis in paraffin-embedded human breast carcinoma tissue using Catenin- γ / Junction plakoglobin antibody.