

Product datasheet for **AP06039PU-S**

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 |



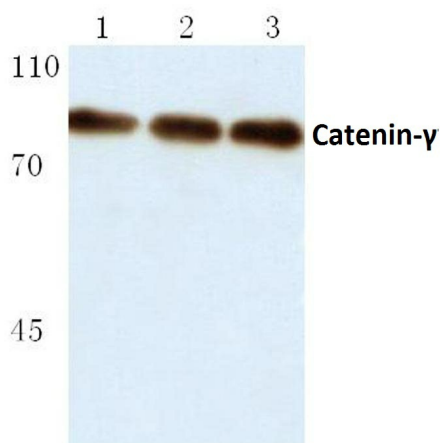
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Background:

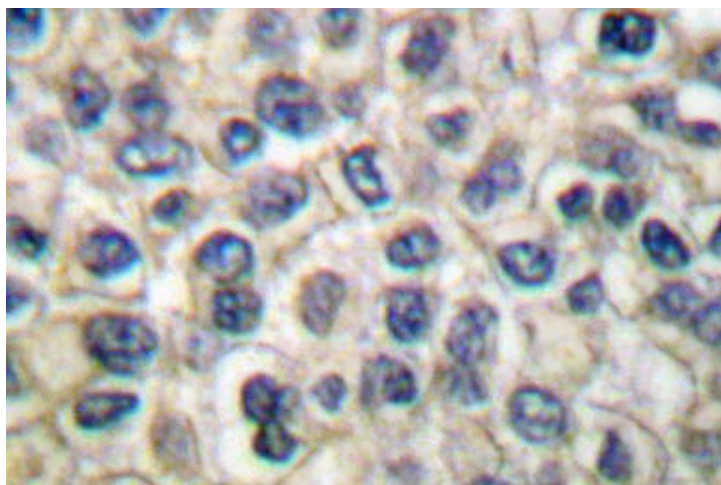
The catenins, α , β and γ , are proteins which bind to the highly conserved, intracellular cytoplasmic tail of E-cadherin. Together, the catenin/cadherin complexes play an important role mediating cellular adhesion. α -catenin was initially described as an E-cadherin associated protein, and since has 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.