

Product datasheet for **AM26372PU-N**

beta Catenin (CTNNB1) Mouse Monoclonal Antibody [Clone ID: 9F2]

Product data:

| | |
|-----------------------|---|
| Product Type: | Primary Antibodies |
| Clone Name: | 9F2 |
| Applications: | FC, IF, IP, WB |
| Recommended Dilution: | Flow cytometry. Immunofluorescence (cells fixed in paraformaldehyde): The typical starting working dilution is 1:10. Immunoprecipitation (cells fixed in paraformaldehyde). Western blot (cells fixed in paraformaldehyde): The typical starting working dilution is 1:10. |
| Reactivity: | Human |
| Host: | Mouse |
| Isotype: | IgG1 |
| Clonality: | Monoclonal |
| Specificity: | This antibody detects Beta-Catenin. |
| Formulation: | PBS State: Purified State: Liquid 0.2 µm filtered Ig fraction Stabilizer: 0.1% bovine serum albumin Preservative: 0.02% sodium azide |
| Concentration: | lot specific |
| Purification: | Protein G |
| Conjugation: | Unconjugated |
| Storage: | Store at 2 - 8 °C. |
| Stability: | Shelf life: one year from despatch. |
| Gene Name: | catenin beta 1 |
| Database Link: | Entrez Gene 1499 Human P35222 |



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Background:

Beta-catenin belongs together with alpha- and gamma-catenin to the catenin family. Catenins mediate cell-cell adhesion by interaction with cadherins. Beta-catenin is highly homologous to gamma-catenin (plakoglobin) although its function differs from that of plakoglobin. Whereas plakoglobin has been found to suppress tumorigenicity, beta-catenin potentiates hyperproliferation and tumor formation. In the nucleus beta-catenin complexes with transcription factors and thus regulates the expression of specific genes. By its dual role, i.e. a structural role in cell-cell junctions and a regulatory role in the nucleus, beta-catenin can transduce changes in cell adhesion and junction formation to control transmembrane signalling and gene expression.

Synonyms:

CTNNB1, CTNNB, Beta-catenin