

Product datasheet for **AP23420PU-N**

beta Catenin (CTNNB1) (C-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	Western blot: 1 µg/ml.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminal of human Catenin β
Specificity:	This antibody detects Catenin beta-1 (C-term).
Formulation:	5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05 mg NaN ₃ State: Aff - Purified State: Lyophilized Ig fraction
Reconstitution Method:	0.2ml of distilled water will yield a concentration of 500µg/ml.
Purification:	Immunogen affinity purified
Conjugation:	Unconjugated
Storage:	Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	catenin beta 1
Database Link:	Entrez Gene 12387 Mouse Entrez Gene 84353 Rat Entrez Gene 1499 Human P35222



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Background:

Three catenin proteins, α , β and γ , bind to the highly conserved, intracellular cytoplasmic tail of E-cadherin. The catenin/cadherin complexes play an important role mediating cellular adhesion. Not only associated with E-cadherin, α -catenin was also 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, is a protein that binds with α -catenin and N-cadherin. It has been shown that the transmembrane phosphatase PTP associates with catenin/cadherin complexes and may regulate complex signaling.

Synonyms:

CTNNB1, CTNNB, Beta-catenin

Protein Families:

Druggable Genome, ES Cell Differentiation/IPS, Transcription Factors

Protein Pathways:

Adherens junction, Arrhythmogenic right ventricular cardiomyopathy (ARVC), Basal cell carcinoma, Colorectal cancer, Endometrial cancer, Focal adhesion, Leukocyte transendothelial migration, Melanogenesis, Pathogenic Escherichia coli infection, Pathways in cancer, Prostate cancer, Thyroid cancer, Tight junction, Wnt signaling pathway