

Product datasheet for **AM20692PU-N**

beta Catenin (CTNNB1) Mouse Monoclonal Antibody [Clone ID: IMD-110]

Product data:

Product Type:	Primary Antibodies
Clone Name:	IMD-110
Applications:	IF, IHC, WB
Recommended Dilution:	Western Blot: 0.5 - 1 µg/ml. Immunohistochemistry on frozen sections: 1 - 2 µg/ml.
Reactivity:	Chicken, Human, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant chicken beta-catenin
Specificity:	This antibody reacts to Catenin beta-1.
Formulation:	1.2 % sodium acetate, with 2 mg BSA and 0.01 mg sodium azide as preservative. State: Purified State: Lyophilized purified Ig fraction
Reconstitution Method:	Restore with 1.2% sodium acetate or neutral PBS
Concentration:	0,1 mg/ml (after reconstitution with PBS)
Purification:	Affinity chromatography
Conjugation:	Unconjugated
Storage:	Prior to reconstitution store at -20°C. Following reconstitution 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.
Gene Name:	catenin beta 1
Database Link:	Entrez Gene 84353 Rat Entrez Gene 1499 Human P35222



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Background:	Three catenin proteins, alpha, beta and gamma, 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, alpha-catenin was also shown to associate with other members of the cadherin family, such as N-cadherin and P-cadherin. beta-catenin associates with the cytoplasmic portion of E-cadherin, which is necessary for the function of E-cadherin as an adhesion molecule. beta-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 alpha-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