

Product datasheet for **AM00016BT-N**

beta Catenin (CTNNB1) pTyr654 (incl. pos. control) Mouse Monoclonal Antibody [Clone ID: 1B11]

Product data:

Product Type:	Primary Antibodies
Clone Name:	1B11
Applications:	WB
Recommended Dilution:	Western Blot. Recommended blocking buffer: Casein/Tween 20 based blocking and blot incubation buffer.
Reactivity:	Canine, Human, Mouse
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Synthetic phosphopeptide conjugated to KLH.
Specificity:	This antibody specifically recognizes β -catenin phosphorylated at tyrosine 654 at 90 kDa and gamma-catenin at 70 kDa. Due to sequence homologies of the phospho-epitope surrounding pY 654 there may be crossreactions with other proteins (e.g. Annexin A11 at 56 kDa, gamma-catenin at 70 kDa, Desmoplakin at 81 kDa, TNFalpha-induced protein 2 at 73 kDa, Ribosomal protein S6 kinase alpha 6 at 90 kDa).
Formulation:	PBS/0.09% Na-Azide/PEG and Sucrose Label: Biotin State: Liquid purified IgG
Concentration:	lot specific
Purification:	Size exclusion chromatography
Conjugation:	Biotin
Storage:	Store the antibody (aliquote in liquid nitrogen) at -80°C. Avoid repeated freezing and thawing. Thaw aliquots at 37°C. Thawed aliquots may be stored at 4°C up to 3 months.
Stability:	Shelf life: one year from despatch.
Gene Name:	catenin beta 1



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Database Link: [Entrez Gene 1499 Human P35222](#)

Background: The α -, β - and γ -catenins are cytoplasmic proteins mediating the interaction of Ca²⁺-dependent transmembrane adhesion molecules (cadherins) with the cytoskeletal network. Additionally, β -catenin is a substrate of both receptor and non-receptor tyrosine kinases. Tyrosine 86 and tyrosine 654 are substrates of EGF receptor and src family kinases while tyrosine 142 is a substrate of fer tyrosine kinases.

Synonyms: CTNNB1, CTNNB, Beta-catenin