

CTNNB1 Polyclonal Antibody

Catalog No.	A0316	Category	Polyclonal Antibodies
Applications	WB	Observed MW	
Cross-reactivity	Human, Mouse	Calculated MW	9kDa/85kDa

Immunogen Information

Immunogen	A synthetic peptide corresponding to a sequence within amino acids 620-720 of human CTNNB1 (NP_001895.1).
Gene ID	1499
Swiss prot	P35222
Synonyms	CTNNB1; CTNNB; MRD19; armadillo; catenin beta-1

Product information

Source	Rabbit
Isotype	IgG
Purification method	Affinity purification
Storage	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Background

The protein encoded by this gene is part of a complex of proteins that constitute adherens junctions (AJs). AJs are necessary for the creation and maintenance of epithelial cell layers by regulating cell growth and adhesion between cells. The encoded protein also anchors the actin cytoskeleton and may be responsible for transmitting the contact inhibition signal that causes cells to stop dividing once the epithelial sheet is complete. Finally, this protein binds to the product of the APC gene, which is mutated in adenomatous polyposis of the colon. Mutations in this gene are a cause of colorectal cancer (CRC), pilomatixoma (PTR), medulloblastoma (MDB), and ovarian cancer. Alternative splicing results in multiple transcript variants.

Recommended Dilutions

WB 1:500 - 1:2000

