

## CTNNB1

**Reactivity:**Human Mouse Rat

**Tested applications:**WB ICC FC

**Recommended Dilution:**WB 1:2000 - 1:5000 ICC 1:100- 1:200 FC 1:20- 1:50

**Calculated MW:**85kDa

**Observed MW:**Refer to Figures

**Immunogen:**

A synthetic peptide of human CTNNB1

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

CTNNB; MRD19; armadillo

**Catalog #:**A11036

**Antibody Type:**

Monoclonal Antibody

**Species:**Mouse

**Gene ID:**1499

**Isotype:**IgG

**Swiss Prot:**P35222

**Purity:**Affinity purification

For research use only.

**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), pilomatrixoma (PTR), medulloblastoma (MDB), and ovarian cancer. Three transcript variants encoding the same protein have been found for this gene.

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