

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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