

CTNNB1

Reactivity: Human Mouse Rat

Tested applications: WB IHC ICC IP

Recommended Dilution: WB 1:500 - 1:2000 IHC 1:20 - 1:200 ICC 1:20 - 1:50 IP 1:20 - 1:50

Calculated MW: 92 kDa

Observed MW: Refer to figures

Immunogen:

Recombinant protein 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 #: A10834

Antibody Type:

Monoclonal Antibody

Species: Rabbit

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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