

Datasheet for ABIN5611272
anti-CTNNB1 antibody (AA 1-100)

7 Images

[Go to Product page](#)

Overview

| | |
|----------------------|---|
| Quantity: | 0.1 mg |
| Target: | CTNNB1 |
| Binding Specificity: | AA 1-100 |
| Reactivity: | Human, Mouse |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Application: | Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS), Immunocytochemistry (ICC), Neutralization (Neut) |

Product Details

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| Immunogen: | Purified recombinant fragment of human CTNNB1 (AA: 1-100) expressed in E. coli. |
| Clone: | 7C5A2 |
| Isotype: | IgG2b |
| Purification: | purified |

Target Details

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|-------------------|--|
| Target: | CTNNB1 |
| Alternative Name: | CTNNB1 (CTNNB1 Products) |
| Background: | Description: 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 |

Target Details

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. Alternative splicing results in multiple transcript variants.

Aliases: CTNNB, MRD19, armadillo

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|-------------------|----------|
| Molecular Weight: | 85.5 kDa |
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| Gene ID: | 1499 |
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| HGNC: | 1499 |
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| Pathways: | WNT Signaling , Intracellular Steroid Hormone Receptor Signaling Pathway , Peptide Hormone Metabolism , Regulation of Muscle Cell Differentiation , Cell-Cell Junction Organization , Tube Formation , Maintenance of Protein Location , Signaling Events mediated by VEGFR1 and VEGFR2 |
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Application Details

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| Application Notes: | ELISA: 1:10000, WB: 1:500 - 1:2000, ICC: N/A, FCM: 1:200 - 1:400, IHC: 1:200 - 1:1000 |
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| Restrictions: | For Research Use only |
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Handling

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|---------|--------|
| Format: | Liquid |
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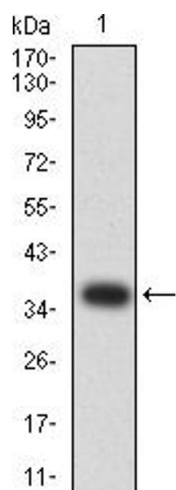
| | |
|---------|---|
| Buffer: | Purified antibody in PBS with 0.05 % sodium azide |
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|---------------|--------------|
| Preservative: | Sodium azide |
|---------------|--------------|

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| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
|--------------------|--|

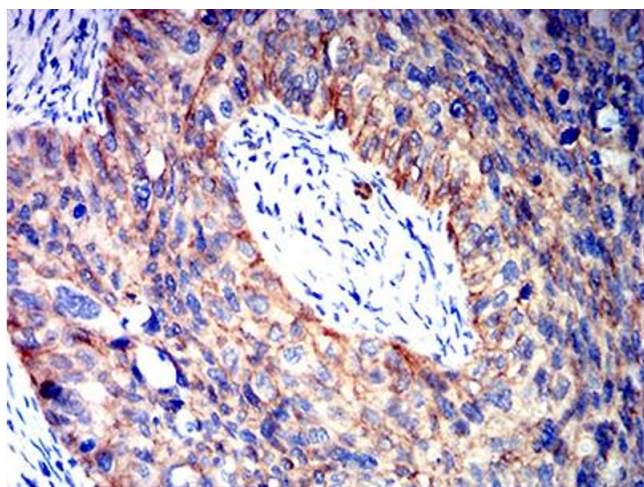
| | |
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| Storage: | 4 °C/-20 °C |
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| Storage Comment: | 4°C, -20°C for long term storage |
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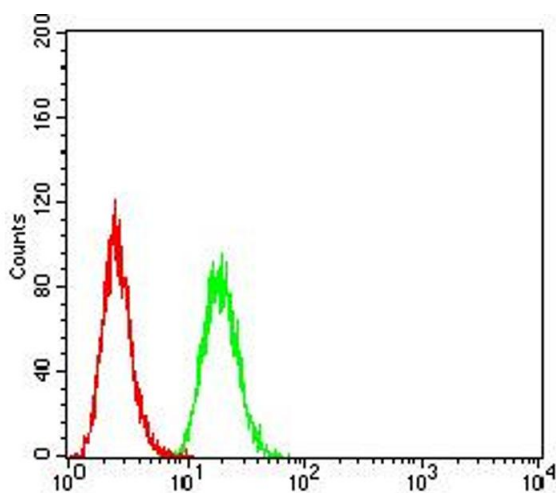
Western Blotting

Image 1. Western blot analysis using CTNNB1 mAb against human CTNNB1 (AA: 1-100) recombinant protein. (Expected MW is 37.1 kDa)



Immunohistochemistry

Image 2. Immunohistochemical analysis of paraffin-embedded cervical cancer tissues using CTNNB1 mouse mAb with DAB staining.



Flow Cytometry

Image 3. Flow cytometric analysis of HeLa cells using CTNNB1 mouse mAb (green) and negative control (red).

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN5611272.