

## Anti-Phospho-CTNNB1 (Ser37) Polyclonal Antibody

### Product Details

|                   |                                                                                                                       |
|-------------------|-----------------------------------------------------------------------------------------------------------------------|
| Ig Type:          | IgG                                                                                                                   |
| Reactivity:       | Human,Mouse,Rat                                                                                                       |
| Conjugation:      | Unconjugated                                                                                                          |
| Molecular Weight: | Actual: 85 kDa.                                                                                                       |
| Purification:     | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |

### Applications

|              |                                                                      |
|--------------|----------------------------------------------------------------------|
| Application: | ELISA,ICC/IF,IHC-P,WB                                                |
| Recommended  | WB: 1:500-2000; IHC-P: 1:100-300; ICC/IF: 1:200-1000; ELISA: 1:40000 |

### Properties

|                      |                                                                           |
|----------------------|---------------------------------------------------------------------------|
| Stability & Storage: | Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. |
| Shipping:            | Shipping with blue ice.                                                   |

### Antigen Details

|                  |                                                                                                          |
|------------------|----------------------------------------------------------------------------------------------------------|
| Immunogen:       | A synthesized phosphopeptide: human Catenin-beta around the phosphorylation site of Ser37. AA range:3-52 |
| Antigen Species: | Human                                                                                                    |
| Uniprot ID:      | P35222                                                                                                   |
| Synonyms:        | CTNNB1 (p-S37);p-CTNNB1 (S37);p-CTNNB1 (Ser37);CTNNB1 (p-Ser37)                                          |

### Research Background

catenin beta 1(CTNNB1) Homo sapiens 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. [provided by RefSeq, Aug 2016],

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