

**Name:** Purified Beta-catenin mouse monoclonal antibody, clone 2D11

**Catalog:** TA500239

## Product Data Sheet

**Gene Name:** Homo sapiens catenin (cadherin-associated protein), beta 1, 88kDa (CTNNB1), transcript variant 1  
**GeneBank accession:** NM\_001904  
**Isotype:** IgG1

**Reactivity:** Human  
**Test application:** WB  
**Clone Name:** clone 2D11

**Gene Synonym:** CTNNB; DKFZp686D02253; FLJ25606; FLJ37923

### Validation Data:

#### Western Blot

**Guaranteed Applications:** WB

**Suggested Dilutions:** WB 1:1000

**Immunogen:** Recombinant protein expressed in E.coli corresponding to amino acids 531-781 of human beta-catenin

#### Components:

- Purified Beta-catenin mouse monoclonal antibody, clone 2D11 (TA500239)
- 1 vial of 20ug myc-DDK tagged CTNNB1 HEK293T over-expression lysate lyophilized in RIPA buffer (LY419662) (Reconstitute into 20ul of 1x SDS sample buffer before loading) (Not available for 30ul sample size)

#### Amount:

TA500239-100 100 uL

**Concentration:** 0.30 mg/ml

**Storage Condition:** Shipped at 4C. Upon delivery store at -20C. Dilute in PBS (pH7.3) before use. Stable for 12 months from date of receipt. Avoid repeated freeze-thaws.

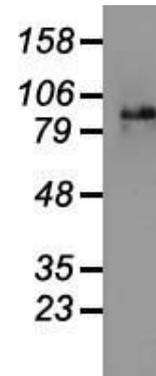
**Buffer:** PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.

#### Purification:

Purified from mouse ascites fluids by affinity chromatography

#### Background:

Beta-catenin is an adherens junction protein. Adherens junctions (AJs; also called the zonula adherens) are critical for the establishment and maintenance of epithelial layers, such as those lining organ surfaces. AJs mediate adhesion between cells, communicate a signal that neighboring cells are present, and anchor the actin cytoskeleton. In serving these roles, AJs regulate normal cell growth and behavior. At several stages of embryogenesis, wound healing, and tumor cell metastasis, cells form and leave epithelia. This process, which involves the disruption and reestablishment of epithelial cell-cell contacts, may be regulated by the disassembly and assembly of AJs. AJs may also function in the transmission of the 'contact inhibition' signal, which instructs cells to stop dividing once an epithelial sheet is complete



Western blot analysis of 35ug of cell extracts from human breast adenocarcinoma (MCF-7) cells using anti-CTNNB1 antibody.

#### Related Product:

TrueORF cDNA clones  
 VERIFY Tagged Antigen lysates  
 HuSH-29 shRNA  
 Western Blot reagents  
 Anti-myc/DDK tag antibodies

\* Peptide sequence of the DDK-tag (Flag®): N-DYKDDDDK-C Flag® is a registered trademark of Sigma-Aldrich

***This product is to be used for laboratory only. Not for diagnostic or therapeutic use.***

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