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# Phospho-β-Catenin-S552 Rabbit mAb

ABclonal www.abclonal.com

Catalog No.: AP1315

Recombinant

### **Basic Information**

### **Observed MW**

92kDa

### **Calculated MW**

85kDa

### Category

SMab Recombinant Monoclonal Antibody

### **Applications**

WB, ELISA

### **Cross-Reactivity**

Human, Mouse

### CloneNo number

ARC54001

# **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. Alternative splicing results in multiple transcript variants.

# **Recommended Dilutions**

WB

1:1000 - 1:5000

# **Immunogen Information**

Gene ID

Swiss Prot P35222

P3

### **Immunogen**

A synthetic phosphorylated peptide around S552 of human CTNNB1 (NP\_001895.1).

#### Synonyms

EVR7; CTNNB; MRD19; NEDSDV; armadillo; Phospho-β-Catenin-S552

### **Contact**

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### **Product Information**

**Source** Rabbit **Isotype** IgG Purification

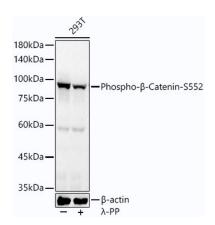
Affinity purification

### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

# **Validation Data**



Western blot analysis of lysates from 293T cells, using Phospho- $\beta$ -Catenin-S552 Rabbit mAb (AP1315) at 2000 dilution.293T cells were treated by  $\lambda$ -PP mixed solution (1uI) at 30°C for 30 minutes.

Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins:  $25\mu g$  per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 60s.

