



## $\beta$ -Catenin (Phospho-Thr41/Ser45) Antibody

#14197

**Catalog Number:** 14197-1, 14197-2

**Amount:** 50 $\mu$ g/50 $\mu$ l, 100 $\mu$ g/100 $\mu$ l

**Swiss-Prot No. :** P35222

**Form of Antibody:** Rabbit IgG in phosphate buffered saline (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

**Storage/Stability:** Store at -20°C/1 year

**Immunogen:** The antiserum was produced against synthesized phosphopeptide derived from Human  $\beta$ -Catenin around the phosphorylation site of Threonine41/Serine45

**Purification:** The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

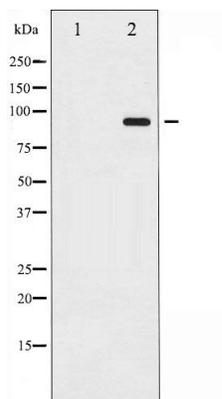
**Specificity/Sensitivity:**  $\beta$ -Catenin(Phospho-Thr41/Ser45)Antibody detects endogenous levels of  $\beta$ -Catenin only when phosphorylated at Threonine41/Serine45

**Reactivity:** Human, Mouse, Rat

### Applications:

Predicted MW: 92kd

WB: 1:500~1:2000



Western blot analysis of Catenin- beta phosphorylation expression in SW626 whole cell lysates, The lane on the left is treated with the antigen-specific peptide.

### 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.