

Product Datasheet

Phospho-beta Catenin (S33/S37) Antibody

Catalog No: CY5974

Reactivity: Human Rat

Isotype: Rabbit IgG

Applications: WB



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Information

UniProt ID: P35222

All Names: CATNB; CTNB1; CTNNB; catenin beta; beta catenin;

Form: Liquid

Storage instructions: Store at +4° C short term. Store at -20° C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

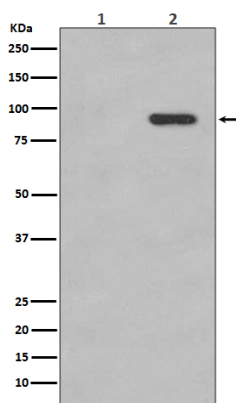
Molecular Wt.: 92 kDa

Application

WB: 1:500-1000

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 Phospho-beta Catenin (S33/S37) expression in (1) 293T cell lysate; (2) 293T cell lysate treated with calyculin A.

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