

## β-Catenin

Cat.No. 281 004; Polyclonal Guinea pig antibody, 100 µl antiserum (lyophilized)

### Data Sheet

Reconstitution/ Storage	100 µl antiserum, lyophilized. For reconstitution add 100 µl H <sub>2</sub> O, then aliquot and store at -20°C until use.
Applications	<b>WB:</b> 1 : 1000 (AP staining) <b>IP:</b> not tested yet <b>ICC:</b> 1 : 1000 <b>IHC:</b> 1 : 500 up to 1 : 1000 <b>IHC-P/FFPE:</b> not tested yet
Immunogen	Synthetic peptide corresponding to AA 768 to 782 from mouse β-Catenin (UniProt Id: Q02248)
Reactivity	Reacts with: rat (Q9WU82), mouse (Q02248). Other species not tested yet.
Specificity	Specific for β-catenin
matching control	281-0P

**TO BE USED IN VITRO / FOR RESEARCH ONLY**  
**NOT TOXIC, NOT HAZARDOUS, NOT INFECTIOUS, NOT CONTAGIOUS**

**α, β and γ-catenin** are intracellular proteins that link cadherins to the actin cytoskeleton. Cadherins are cell-surface proteins that are involved in cell-cell adhesion. α-N-catenin is expressed mainly in the nervous system. It is a cytoplasmic protein that interacts with N-cadherin and functions in cell-cell adhesion. It is a regulator for the stability of synaptic contacts and is important for cerebellar and hippocampal lamination. There are two isoforms which are differentially expressed during development. The major part of β-catenin localizes to the cell membrane and is part of E-cadherin/catenin adhesion complexes.

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