

## DESCRIPTION

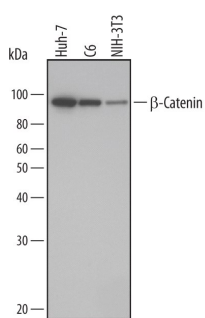
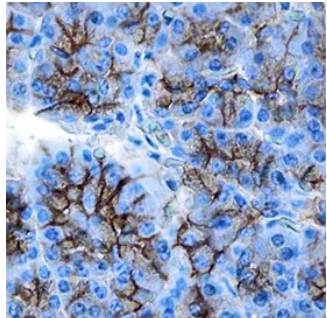
<b>Species Reactivity</b>	Human/Mouse/Rat
<b>Specificity</b>	Detects rh $\beta$ -Catenin and endogenous human, mouse and rat $\beta$ -Catenin in Western blots.
<b>Source</b>	Monoclonal Mouse IgG <sub>2B</sub> Clone # 196621
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant human $\beta$ -Catenin Ala2-Leu781 Accession # P35222
<b>Formulation</b>	Lyophilized from a 0.2 $\mu$ m filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 $\mu$ m filtered solution in PBS.

## APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
<b>Western Blot</b>	2 $\mu$ g/mL	See Below
<b>Immunohistochemistry</b>	8-25 $\mu$ g/mL	See Below

## DATA

<p><b>Western Blot</b></p>  <p><b>Detection of Human/Mouse/Rat <math>\beta</math>-Catenin by Western Blot.</b> Western blot shows lysates of Huh-7 human hepatoma cell line, C6 rat glioma cell line, and NIH-3T3 mouse embryonic fibroblast cell line. PVDF membrane was probed with 2 <math>\mu</math>g/mL of Mouse Anti-Human/Mouse/Rat <math>\beta</math>-Catenin Monoclonal Antibody (Catalog # MAB1329) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF007). A specific band was detected for <math>\beta</math>-Catenin at approximately 95 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 3.</p>	<p><b>Immunohistochemistry</b></p>  <p><b><math>\beta</math>-Catenin in Human Pancreas.</b> <math>\beta</math>-Catenin was detected in immersion fixed paraffin-embedded sections of human pancreas using Mouse Anti-Human/Mouse/Rat <math>\beta</math>-Catenin Monoclonal Antibody (Catalog # MAB1329) at 1.7 <math>\mu</math>g/mL overnight at 4 °C. Tissue was stained using the Anti-Mouse HRP-DAB Cell &amp; Tissue Staining Kit (brown; Catalog # CTS002) and counterstained with hematoxylin (blue). Specific staining was localized to plasma membranes. View our protocol for <a href="#">Chromogenic IHC Staining of Paraffin-embedded Tissue Sections</a>.</p>
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## PREPARATION AND STORAGE

<b>Reconstitution</b>	Reconstitute at 0.5 mg/mL in sterile PBS.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
<b>Stability &amp; Storage</b>	<p><b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b></p> <ul style="list-style-type: none"> <li>● 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>● 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>● 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

## BACKGROUND

$\beta$ -Catenin is a cadherin-associated protein that is involved in the regulation of cell adhesion. It also acts as a transcriptional co-activator in the nucleus and is involved in the canonical Wnt signal transduction pathway.