

DESCRIPTION

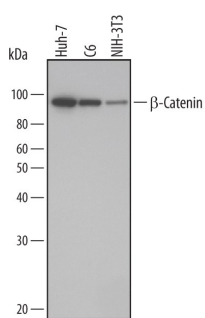
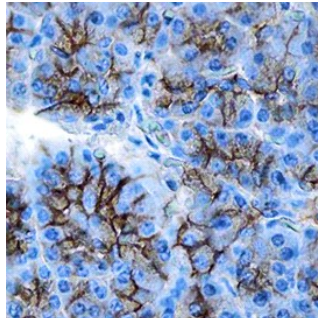
Species Reactivity	Human/Mouse/Rat
Specificity	Detects rh β -Catenin and endogenous human, mouse and rat β -Catenin in Western blots.
Source	Monoclonal Mouse IgG _{2B} Clone # 196621
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human β -Catenin Ala2-Leu781 Accession # P35222
Formulation	Lyophilized from a 0.2 μ m filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 μ 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
Western Blot	2 μ g/mL	See Below
Immunohistochemistry	8-25 μ g/mL	See Below

DATA

<p>Western Blot</p>  <p>Detection of Human/Mouse/Rat β-Catenin by Western Blot. 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 μg/mL of Mouse Anti-Human/Mouse/Rat β-Catenin Monoclonal Antibody (Catalog # MAB1329) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF007). A specific band was detected for β-Catenin at approximately 95 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 3.</p>	<p>Immunohistochemistry</p>  <p>β-Catenin in Human Pancreas. β-Catenin was detected in immersion fixed paraffin-embedded sections of human pancreas using Mouse Anti-Human/Mouse/Rat β-Catenin Monoclonal Antibody (Catalog # MAB1329) at 1.7 μg/mL overnight at 4 °C. Tissue was stained using the Anti-Mouse HRP-DAB Cell & Tissue Staining Kit (brown; Catalog # CTS002) and counterstained with hematoxylin (blue). Specific staining was localized to plasma membranes. View our protocol for Chromogenic IHC Staining of Paraffin-embedded Tissue Sections.</p>
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PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	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
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

β -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.