

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human β -Catenin in direct ELISAs.
Source	Monoclonal Mouse IgG ₃ Clone # 196618
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human β -Catenin aa 2-781
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.

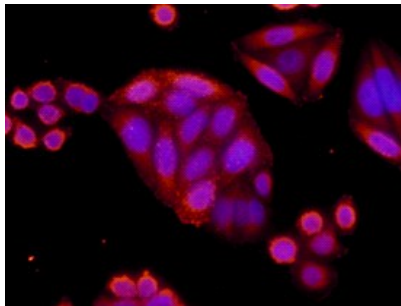
APPLICATIONS

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	1 μ g/mL	Recombinant Human β -Catenin
Immunocytochemistry	8-25 μ g/mL	See Below
Immunohistochemistry	8-25 μ g/mL	See Below

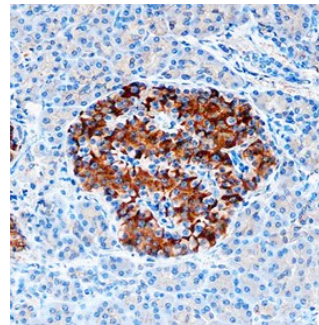
DATA

Immunocytochemistry



β -Catenin in SW480 Human Cell Line.
 β -Catenin was detected in immersion fixed SW480 human colorectal adenocarcinoma cell line using 10 μ g/mL Mouse Anti-Human β -Catenin Monoclonal Antibody (Catalog # MAB13291) for 3 hours at room temperature. Cells were stained with the NorthernLights™ 557-conjugated Anti-Mouse IgG Secondary Antibody (red; Catalog # NL007) and counterstained with DAPI (blue). View our protocol for [Fluorescent ICC Staining of Cells on Coverslips](#).

Immunohistochemistry



β -Catenin in Human Pancreas. β -Catenin was detected in immersion fixed paraffin-embedded sections of human pancreas using Mouse Anti-Human β -Catenin Monoclonal Antibody (Catalog # MAB13291) at 1.7 μ g/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](#).

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

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 also involved in the canonical Wnt signal transduction pathways.