Human APC C-Terminus Antibody

Antigen Affinity-purified Polyclonal Goat IgG
Catalog Number: AF3695

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human APC C-Terminus in direct ELISAs and Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	*E. coli*-derived recombinant human APC Ser2537-Val2843 Accession # P25054
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 μm filtered solution in PBS.

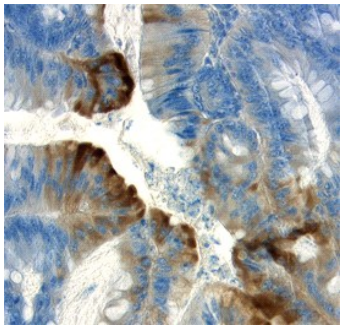
APPLICATIONS

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	0.1 µg/mL	Recombinant Human APC C-Terminus
Immunohistochemistry	5-15 µg/mL	See Below

DATA

Immunohistochemistry



APC in Human Colon Cancer Tissue. APC was detected in immersion fixed paraffin-embedded sections of human colon cancer tissue using 15 µg/mL Goat Anti-Human APC C-Terminus Antigen Affinity-purified Polyclonal Antibody (Catalog # AF3695) overnight at 4 °C. Tissue was stained with the Anti-Goat HRP-DAB Cell & Tissue Staining Kit (brown; Catalog # CTS008) and counterstained with hematoxylin (blue). View our protocol for Chromogenic IHC Staining of Paraffin-embedded Tissue Sections.

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 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.** ● 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

APC is a ubiquitous, tumor-suppressor protein that is mutated in most colon cancers, generally resulting in a gene product that is truncated in the carboxy terminal region. APC contains several binding domains. The region used as an immunogen overlaps the EB1, DLG (PDZ sequence), and PSD-93 domains. These domains bind microtubules, mitotic spindles, and F-actin and are involved in cell cycle, division, and migration. The immunogen does not include the β-catenin-binding region, which antagonizes Wnt signaling. The human APC amino acid sequence used as immunogen is 83% and 86% identical to mouse and rat APC, respectively.

bio-techne
bio-techne.com
Global info@bio-techne.com techsupport@bio-techne.com
North America TEL 800 343 7475 Europe | Middle East | Africa TEL +44 (0)1235 529449
China info.cn@bio-techne.com TEL +86 (21) 52380373
Rest of World bio-techne.com/find-us/distributors TEL +1 612 379 2956