

Recombinant Human APC cell lysate

Cat. No. APC-90HCL Lot. No. (See product label)

SPECIFICATION

Product Overview

Species	Human
Description	This gene encodes a tumor suppressor protein that acts as an antagonist of the Wnt signaling pathway. It is also involved in other processes including cell migration and adhesion, transcriptional activation, and apoptosis. Defects in this gene cause familial adenomatous polyposis (FAP), an autosomal dominant pre-malignant disease that usually progresses to malignancy. Disease-associated mutations tend to be clustered in a small region designated the mutation cluster region (MCR) and result in a truncated protein product.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	APC adenomatous polyposis coli [Homo sapiens]
Official Symbol	APC
Synonyms	APC; adenomatous polyposis coli; adenomatosis polyposis coli; adenomatous

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	polyposis coli protein; DP2; DP2.5; DP3; PPP1R46; protein phosphatase 1; regulatory subunit 46; deleted in polyposis 2.5; adenomatosis polyposis coli tumor suppressor; protein phosphatase 1, regulatory subunit 46; GS; BTPS2;
Gene ID	324
mRNA Refseq	NM_000038
Protein Refseq	NP_000029
MIM	611731
UniProt ID	P25054
Chromosome Location	5q21-q22
Pathway	Apoptosis, organism-specific biosystem; Apoptotic cleavage of cellular proteins, organism-specific biosystem; Apoptotic executionphase, organism-specific biosystem; Basal cell carcinoma, organism-specific biosystem; Basal cell carcinoma, conserved biosystem; Beta-catenin phosphorylation cascade, organism-specific biosystem; CDC42 signaling events, organism-specific biosystem;
Function	beta-catenin binding; NOT cadherin binding; gamma-catenin binding; microtubule binding; microtubule plus-end binding; protein binding; protein kinase binding; protein kinase regulator activity;