

Recombinant Human APC cell lysate

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

SPECIFICATION

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 polyposis coli protein; DP2; DP2.5; DP3; PPP1R46; protein phosphatase 1;

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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;

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