Recombinant Human APC protein, GST-tagged

Cat. No. APC-12H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human APC(2744 a.a. - 2843 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	Wheat Germ
ProteinLength	2744-2843 a.a.
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.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	36.85 kDa
AA Sequence	NPVPVSETNESSIVERTPFSSSSSSKHSSPSGTVAARVTPFNYNPSPRKSSADSTSA RPSQIPTPVNNNTKKRDSKTDSTESSGTQSPKRHSGSYLVTSV
Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);

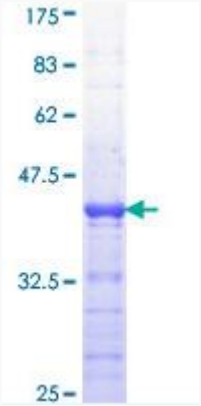
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	Antibody Production; Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

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; 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;

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	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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