

For Research Use Only

# APC Recombinant antibody

Catalog Number: 85372-1-RR



## Basic Information

Catalog Number:

85372-1-RR

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_000038

GeneID (NCBI):

324

UNIPROT ID:

P25054

Full Name:

adenomatous polyposis coli

Calculated MW:

312 kDa

Purification Method:

Protein A purification

CloneNo.:

242726D4

Recommended Dilutions:

IHC: 1:250-1:1000

## Applications

Tested Applications:

IHC, ELISA

Species Specificity:

human

Positive Controls:

IHC : human colon tissue, human colon cancer tissue

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

APC, also named as DP2.5, belongs to the adenomatous polyposis coli (APC) family. APC is a tumor suppressor that regulates cell division, helps ensure that the number of chromosomes in a cell is correct following cell division, and associates with other proteins involved in cell attachment and signaling. APC promotes rapid degradation of CTNNB1 and participates in Wnt signaling as a negative regulator. It plays a critical role in several cellular processes. APC regulates beta-catenin levels through Wnt-signaling and is involved in actin cytoskeletal integrity, cell-cell adhesion and cell migration. APC activity is correlated with its phosphorylation state. Defects in APC are a cause of familial adenomatous polyposis (FAP) which includes also Gardner syndrome (GS). Defects in APC are a cause of hereditary desmoid disease (HDD) which also known as familial infiltrative fibromatosis (FIF). Defects in APC are a cause of medulloblastoma (MDB) which is a malignant, invasive embryonal tumor of the cerebellum with a preferential manifestation in children. Defects in APC are a cause of mismatch repair cancer syndrome (MMRCS) which also known as Turcot syndrome or brain tumor-polyposis syndrome 1 (BTPS1).

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

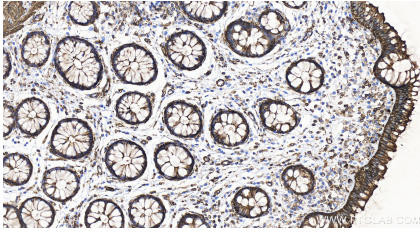
T: 4006900926

E: Proteintech-CN@ptglab.com

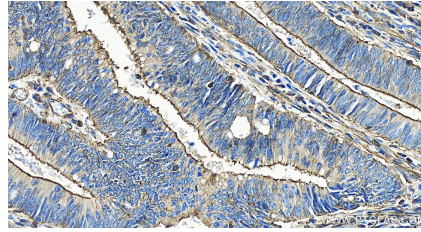
W: ptgcn.com

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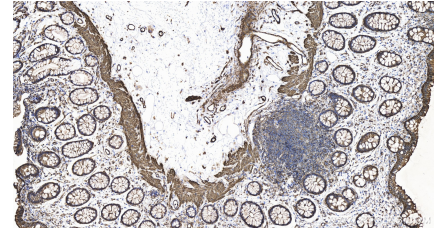
## Selected Validation Data



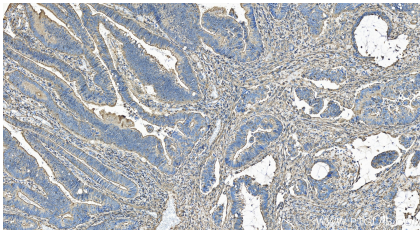
Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 85372-1-RR (APC antibody) at dilution of 1:500 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 85372-1-RR (APC antibody) at dilution of 1:500 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 85372-1-RR (APC antibody) at dilution of 1:500 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).