For Research Use Only

APC Polyclonal ANTIBODY

Catalog Number:19782-1-AP 3 Publications

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Basic Information

Catalog Number:
19782-1-AP

Size:
23 μg/150 μl

Source:
Rabbit

Isotype:
IgG

Purification Method:
Antigen affinity purification

Immunogen Catalog Number:

GenBank Accession Number:
NM_000038

GeneID (NCBI):
324

Full Name:
adenomatous polyposis coli

Calculated MW:
312 kDa

Observed MW:

Recommended Dilutions:
IHC 1:20-1:200

Applications

Tested Applications:
IHC, ELISA

Cited Applications:
WB

Species Specificity:
human,mouse,rat

Cited Species:
human

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

Positive Controls:

IHC : human breast cancer tissue; human colon tissue, human colon cancer tissue, human endometrial cancer tissue

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).

Notable Publications

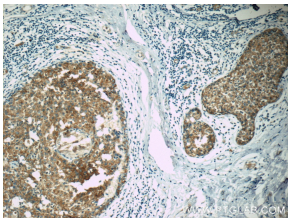
Author	Pubmed ID	Journal	Application
Xiaobo Hu	31637871	Cancer Med	WB
Yang Zhou	31627092	Biomed Pharmacother	WB
Rui-Feng Qin	31391772	World J Gastroenterol	WB

Storage

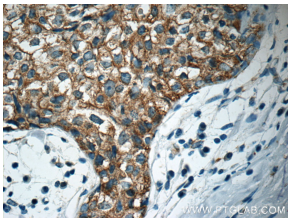
Storage:
Store at -20ºC. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20˚C storage

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 19782-1-AP(APC Antibody) at dilution of 1:50. Heat mediated antigen retrieved with Citric acid buffer, pH6.0.



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