

For Research Use Only

APC Polyclonal antibody

Catalog Number: 19782-1-AP **4 Publications**



Basic Information

Catalog Number: 19782-1-AP	GenBank Accession Number: NM_000038	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 900 µg/ml by Nanodrop and 153 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 324	Recommended Dilutions: IHC 1:20-1:200
Source: Rabbit	Full Name: adenomatous polyposis coli	
Isotype: IgG	Calculated MW: 312 kDa	

Applications

Tested Applications: IHC, ELISA	Positive Controls: IHC : human breast cancer tissue, human colon tissue, human colon cancer tissue, human endometrial cancer tissue
Cited Applications: WB	
Species Specificity: human	
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

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
Jia Han	32118353	Mol Oncol	WB

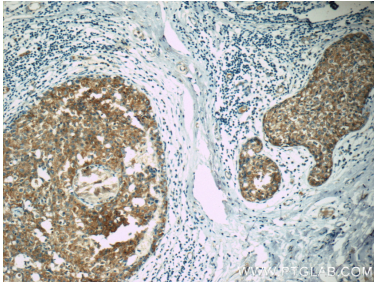
Storage

Storage:
Store at -20°C. 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

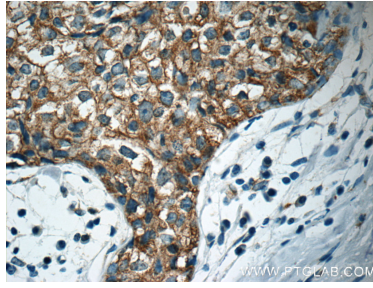
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Selected Validation Data



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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