

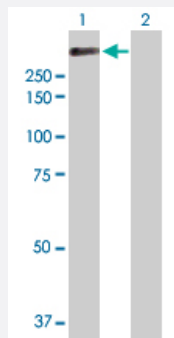
MaxPab®

# APC purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00000324-D01P

Size 100 ug

## Applications

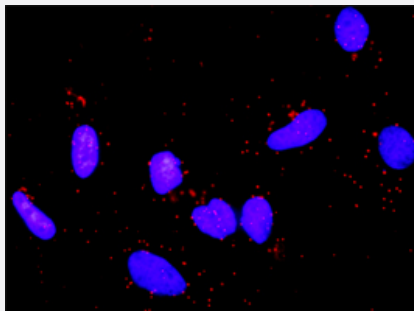


### Western Blot (Transfected lysate)

Western Blot analysis of APC expression in transfected 293T cell line ([H00000324-T02](#)) by APC MaxPab polyclonal antibody.

Lane 1: APC transfected lysate(312.73 KDa).

Lane 2: Non-transfected lysate.



### In situ Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between APC and CTNNB1. HeLa cells were stained with anti-APC rabbit purified polyclonal 1:1200 and anti-CTNNB1 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

## Specification

### Product Description

Rabbit polyclonal antibody raised against a full-length human APC protein.

### Immunogen

APC (AAI11592.1, 1 a.a. ~ 2843 a.a) full-length human protein.

## Sequence

MAAASYDQLLKQVEALKMENSNLRQELEDNSNHLTKLETEASNMKEVLKQLQGSIEDEAMASSG  
 QIDLLERLKELNLDSSNFPGVKLRKMSLRSYGSREGSVSSRSGECSVPVPMGSFPRRGFVNGSR  
 ESTGYLEEELEKERSLLLADLDKEEKEKDWYYAQLQNLTKRIDSLPLTENFSLQTDMTTRRQLEYEAR  
 QIRVAMEEQLGTCQDMEKRAQRRIARIQQIEKDILRIRQLLSQATEAERSSQNKHETGSHDAERQ  
 NEGQGVGEINMATSGNGQGSTTRMDHETASVLSSSSTHSAPRRLTSHLGTKVEMVYSLLSMLGT  
 HDKDDMSRLLAMSSSQDSCISMRQSGCLPLLIQLLHGNDKDSVLLGNSRSGSKEARARASAALH  
 NIIHSQPDDKRGREIRVLHLEQIRAYCETCWEWQEAHEPGMDQDKNPMPAPVEHQICPAVCVL  
 MKLSFDEEHRHAMNELGGLQAIALLQVDCEMYGLTNDHYSITLRRYAGMALTNLTFGDVANKATL  
 CSMKGCMRALVAQLKSESEDLQQVIASVLRNLNLSWRADVNSKTLREVGSVKALMECALEVKKKE  
 STLKSVLSALWNLSAHC TENKADICAVD GALAFLVGTLTYRSQNTLAIIESGGGILRNVSSLIATNE  
 DHRQILRENNCLQTLQLHLKSHSLTVSNACGTLWNLSARNPKDQEALWDMGAVSMLKNLIHSHK  
 KMIAMGSAAALRNLMANRPAKYKDANIMSPGSSSLPSLHVRKQKALEAELDAQHLSETFDNIDNLS  
 PKASHRSKQRHKQSLYGDYVFDNRHDDNRSDNFNTGNMTVLSPLYNTTVLPSSSSSRGSLDSS  
 RSEKDRSLERERGIGLGNYPATENPGTSSKRGLQISTTAAQIAKVMEEVSAIHTSQEDRSSGSTT  
 ELHCVTDERNALRRSSAAHTSNNTYNFTKSENSNRTCSMPYAKLEYKRSSNDSLNSVSSSDGYG  
 KRGQMKPSIESYSEDESDFCSYGGYPADLAHKIHSANHMDDNDGELDTPINYSLKYSDEQLNSG  
 RQSPSQNERWARPKHIEDEIKQSEQRQSRNQSTTYPVYTESTDDKHLKFQPHFGQQECVSPYRS  
 RGANGSETNRVGSNHGINQNVSSQLCQEDDYEDDKPTNYSERYSEEEQHEEEERPTNYSIKYNE  
 EKRHVDQPIDYSLKYATDIPSSQKQSFSSKSSSSGQSSKTEHMSSSSSENTSTPSSNAKRQNLH  
 PSSAQSRSGQPQAATCKVSSINQETIQTYCVEDTPICFSRCSLSSSLSSAEDEIGCNQTTQEADS  
 ANTLQIAIEKEKIGTRSAEDPVSEVPAVSQHPRTKSSRLQGSSLSSESARHKAVEFSSGAKSPSK  
 SGAQTPKSPPEHYVQETPLMFSRCTSVSSLDSFESRSIASSVQSEPCSGMVSGIISPSDLPDSPG  
 QTMPPSRSKTPPPPPQTAQTKREVPKNKAPTAEKRESGPKQAAVNAAVQRVQVLPDADTLLHF  
 ATESTPDGFSCSSSLSALSLEDPFIQKDVELRIMPPVQENDNGNETESEQPKESNENQEKEAEK  
 TIDSEKDLLDDSDDDIEILEECIISAMPTKSSRKAKKPAQTASKLPPPVARPKSQLPVYKLLPSQN  
 RLQPQKHVSFTPGDDMPRVYCVGTPINFSTATSLSDLTIESPPNELAAGEGVRGGAQSGEFEKR  
 DTIPTGRSTDEAQGGKTSSVTIPELDDNKAEEGDILAECINSAMPKGKSHKPFVRVKKIMDQVQQA  
 SASSAPNKNQLDGKKKKPTSPVKPIPQNTYRTRVRKNADSKNNLNAERVFSDNKDSKKQNLK  
 NNSKVFNDKLPNNEDRVRGSAFDSPPHYTPIEGTPYCFSRNDSLSSLDLFDLDDVLSREKAEL  
 RKAKENKESEAKVTSHTELTSNQQSANKTQAIKQPINRGQPKPILQKQSTFPQSSKDIPDRGAAT  
 DEKLQNFAIENTPVCFSHNSSLSSLSLSDIDQENNNKENEPKETEPDPSQGEPSKPQASGYAPKSF  
 HVEDTPVCFSRNSSLSSLSLSEDDLLQECISSAMPKKKKPSRLKGDNEKHSPRNMGGILGEDLT  
 LDLKDIQRPDSEHGLSPDSENFWDKAIQEGANSVSSLHQAAAAACLRSQASSDSDSILSLKSGIS  
 LGSPFHLTPDQEEKPFTSNKGPRILKPGEKSTLETKKIESESKGKGGKKVYKSLITGKVRNSEIS  
 GQMKQPLQANMPSSISRGRTMIHIPGVRNSSSSTSPVSKKGPPLKTPASKSPSEGQTATTSPRGAK  
 PSVKSELSPVARQTSQIGGSSKAPSRSGSRDSTPSRPAQQPLSRPIQSPGRNSISPGRNGISPPN  
 KLSQLPRTSSPSTASTKSSSGSGKMSYTSPPGRQMSQQNLTKQTGLSKNASSIPRSESASKGLNQM  
 NNGNGANKKVELSRMSSTKSSGSESDRSERPVLVRQSTFIKEAPSPTLRRKLEESASFESLSPS  
 SRPASPTRSQAQTPVLSPLPDMSLSTHSSVQAGGWRKLPPNLSPTEYNDGRPAKRHDIAHSH  
 SESPSRLPINRSGTWKREHSKHSSSLPRVSTWRRTGSSSSILSASSESSEKAKSEDEKHNVSIG  
 TKQSKENQVSAKGTWRKIKENEFSPNTNSTQTVSSGATNGAESKTLIYQMAPAVSKTEDVWVRIE  
 DCPINNPRSGRSPTGNTPVIDSVSEKANPNIKDSKDNQAKQNVGNGSVPMRTVGLNRLNSFIQ  
 VDAPDQKGTETKPGQNNPVPVSETNESSMERTPFSSSSSSSKHSSPSGTVAARVTPFNYNPSPRK  
 SSADSTSARPSQIPTPVNNNTKKRDSKTDSTESSGTQSPKRHSGSYLVTSV

**Host** Rabbit

**Reactivity** Human

**Interspecies Antigen Sequence** Mouse (90); Rat (90)

**Quality Control Testing** Antibody reactive against mammalian transfected lysate.

**Storage Buffer**

In 1x PBS, pH 7.4

**Storage Instruction**

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

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[Protocol Download](#)

- In situ* Proximity Ligation Assay (Cell)

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## Gene Info — APC

**Entrez GeneID**
[324](#)
**GeneBank Accession#**
[BC111591](#)
**Protein Accession#**
[AAI11592.1](#)
**Gene Name**

APC

**Gene Alias**

BTPS2, DP2, DP2.5, DP3, GS

**Gene Description**

adenomatous polyposis coli

**Omim ID**
[135290](#) [137215](#) [155255](#) [175100](#) [276300](#)
**Gene Ontology**
[Hyperlink](#)
**Gene Summary**

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. [provided by RefSeq]

**Other Designations**

adenomatosis polyposis coli tumor suppressor

## Pathway

- [Basal cell carcinoma](#)
- [Colorectal cancer](#)
- [Endometrial cancer](#)
- [Pathways in cancer](#)
- [Regulation of actin cytoskeleton](#)
- [Wnt signaling pathway](#)

## Disease

- [Adenocarcinoma](#)
- [Adenoma](#)
- [Adenomatous Polyposis Coli](#)
- [Adenomatous Polyps](#)
- [Autistic Disorder](#)
- [Barrett Esophagus](#)
- [Bone Neoplasms](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Cell Transformation](#)
- [Chromosomal Instability](#)
- [Chromosome Aberrations](#)
- [Chromosome Deletion](#)
- [Colitis](#)

- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Colonic Polyps](#)
- [Colorectal Neoplasms](#)
- [Crohn Disease](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Duodenal Neoplasms](#)
- [Edema](#)
- [Ependymoma](#)
- [Epidermal Cyst](#)
- [Esophageal Neoplasms](#)
- [Fibromatosis](#)
- [Gardner Syndrome](#)
- [Gastroesophageal Reflux](#)
- [Genetic Predisposition to Disease](#)
- [Helicobacter Infections](#)
- [Hyperplasia](#)
- [Inflammatory Bowel Diseases](#)
- [Intestinal Polyps](#)
- [Jejunal Neoplasms](#)
- [Kidney Failure](#)
- [Lung carcinoma](#)
- [Lung Neoplasms](#)
- [Metaplasia](#)
- [Microsatellite Instability](#)

- [Multiple Organ Failure](#)
- [Neoplasm Invasiveness](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Osteoma](#)
- [Osteoporosis](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Precancerous Conditions](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Psychiatric Status Rating Scales](#)
- [Pulmonary Disease](#)
- [Rectal Neoplasms](#)
- [Stomach Neoplasms](#)
- [Syndrome](#)
- [Systemic Inflammatory Response Syndrome](#)
- [Tay-Sachs disease](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)