

A22073

Leader in Biomolecular Solutions for Life Science



## APC Rabbit mAb

Catalog No.: A22073 **Recombinant**

### Basic Information

**Observed MW**

160kDa

**Calculated MW**

312kDa

**Category**

SMab Recombinant Monoclonal Antibody

**Applications**

WB, IHC-P, IF/ICC, ELISA

**Cross-Reactivity**

Human, Mouse, Rat

**CloneNo number**

ARC53932

### Background

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. Mutations in the APC gene have been found to occur in most colorectal cancers, where disease-associated mutations tend to be clustered in a small region designated the mutation cluster region (MCR) and result in a truncated protein product.

### Recommended Dilutions

|        |               |
|--------|---------------|
| WB     | 1:100 - 1:500 |
| IHC-P  | 1:50 - 1:200  |
| IF/ICC | 1:50 - 1:200  |

### Immunogen Information

**Gene ID**

324

**Swiss Prot**

P25054

**Immunogen**

Recombinant fusion protein containing a sequence corresponding to amino acids 2600-2760 of human APC (NP\_000029.2).

**Synonyms**

GS; DP2; DP3; BTPS2; DESMD; DP2.5; PPP1R46; APC

### Contact



[www.abclonal.com](http://www.abclonal.com)

### Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

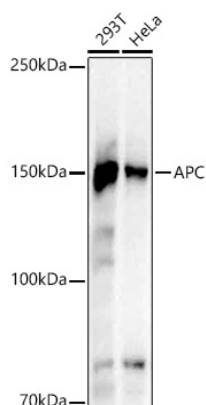
Affinity purification

**Storage**

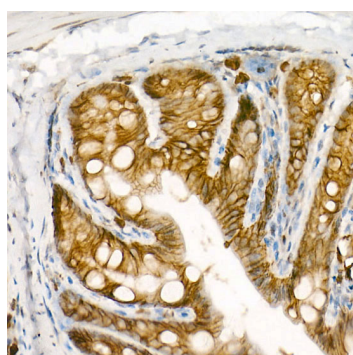
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.

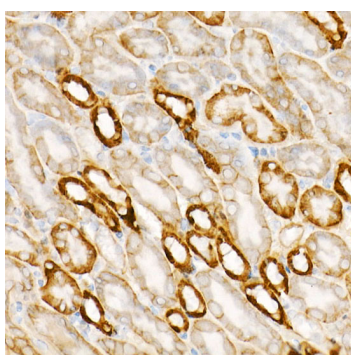
## Validation Data



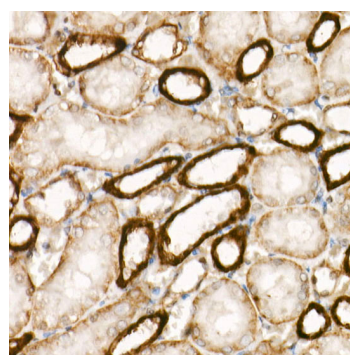
Western blot analysis of various lysates using APC Rabbit mAb (A22073) at 1:500 dilution.  
 Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
 Lysates/proteins: 25µg per lane.  
 Blocking buffer: 3% nonfat dry milk in TBST.  
 Detection: ECL Basic Kit (RM00020).  
 Exposure time: 30s.



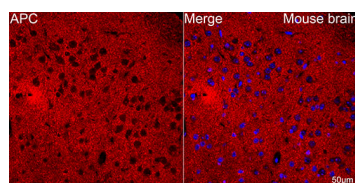
Immunohistochemistry analysis of APC in paraffin-embedded mouse colon using APC Rabbit mAb (A22073) at dilution of 1:200 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



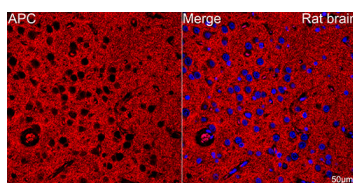
Immunohistochemistry analysis of APC in paraffin-embedded mouse kidney using APC Rabbit mAb (A22073) at dilution of 1:200 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of APC in paraffin-embedded rat kidney using APC Rabbit mAb (A22073) at dilution of 1:200 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Confocal imaging of paraffin-embedded Mouse brain tissue using APC Rabbit mAb (A22073, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



Confocal imaging of paraffin-embedded Rat brain tissue using APC Rabbit mAb (A22073, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.