

## APC (phospho-S2054) polyclonal antibody

Catalog: BS4649

Host: Rabbit

Reactivity: Human, Mouse, Rat

### Background:

Adenomatous polyposis coli (APC) is a protein that plays a critical role in several cellular processes. APC is a tumor suppressor, 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 regulates  $\beta$ -catenin levels through Wnt-signaling and is involved in actin cytoskeletal integrity, cell-cell adhesion and cell migration. 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.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

~ 310 kDa

### Swiss-Prot:

P25054

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

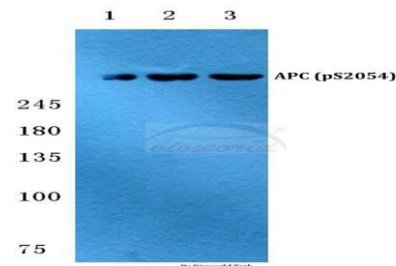
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

p-APC (S2054) polyclonal antibody detects endogenous levels of APC protein when phosphorylated at Ser2054.

### DATA:

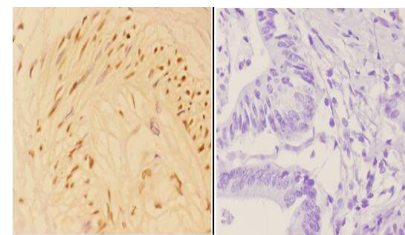


Western blot (WB) analysis of p-APC (S2054) polyclonal antibody at 1:500 dilution

Lane1:MCF-7 cell lysate

Lane2:sp2/0 cell lysate

Lane3:PC12 cell lysate



BS4649  
Lot CN75131

Immunohistochemistry (IHC) analyzes of APC (phospho-S2054) pAb in paraffin-embedded human colon carcinoma tissue at 1:50, showing cytoplasm and nuclear staining. Negative control (the right) Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.

### Note:

For research use only, not for use in diagnostic procedure.

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