

## Product datasheet for **AP06494PU-M**

### APC Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	<b>Immunohistochemistry on paraffin sections:</b> 1/50-1/200.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to amino acids 2020-2070 of Human APC.
Specificity:	This antibody detects endogenous levels of APC protein. (region surrounding Lys2050)
Formulation:	Phosphate buffered saline (PBS), pH 7.2. State: Aff - Purified State: Liquid purified Ig fraction Preservative: 0.02% sodium azide with 50 % Glycerol
Concentration:	1.0 mg/ml
Purification:	Affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE)
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~ 310 kDa
Gene Name:	adenomatous polyposis coli
Database Link:	<u><a href="#">Entrez Gene 324 Human P25054</a></u>



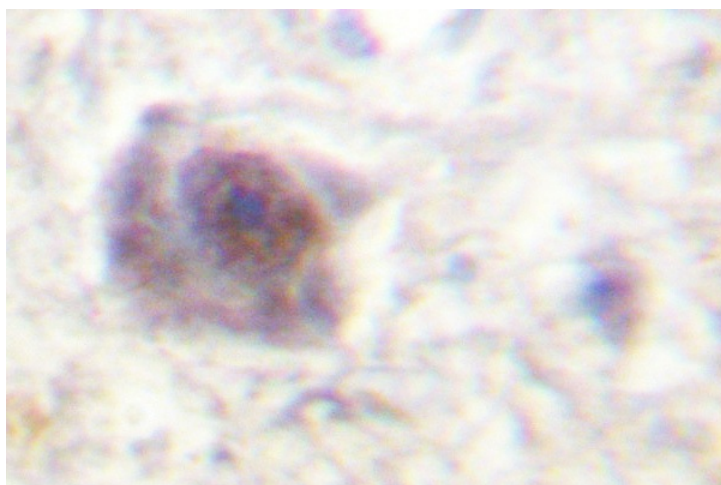
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**Background:**

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.

**Synonyms:**

Adenomatous polyposis coli protein

**Product images:**

Immunohistochemistry (IHC) analyzes of APC antibody in paraffin-embedded human brain tissue.