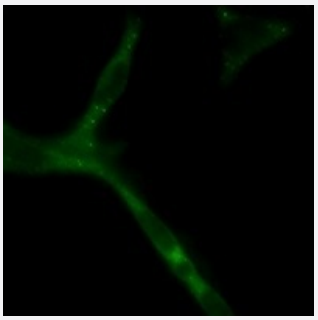
RecomAb™ Sm Size

APC recombinant monoclonal antibody

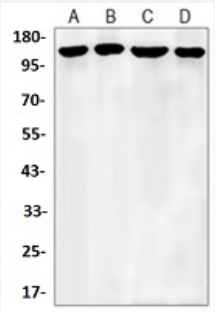
Catalog # RAB09244 Size 50 uL

Applications



Immunofluorescence

Immunofluorescent analysis of Lncap cells with APC recombinant monoclonal antibody (Cat # RAB09244). Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark.



Western Blot (Cell lysate)

Western blot analysis of Hela (A), A549 (B), HL60 (C), U2OS (D) whole cell lysates with APC recombinant monoclonal antibody (Cat # RAB09244).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human APC.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide of human APC.
Theoretical MW (kDa)	160
Reactivity	Human

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Specificity	Recognizes endogenous levels of APC protein.
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Immunogen affinity chromatography
Isotype	IgG
Recommend Usage	Immunocytochemistry (1:50-1:100) Immunofluorescence (1:50-1:100) Immunoprecipitation (1:10-1:50) Western Blot (1:500-1:1000)
Storage Buffer	In 50mM Tris-Glycine, pH 7.4 (0.15M NaCl, 50% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunofluorescence

  Immunofluorescent analysis of Lncap cells with APC recombinant monoclonal antibody (Cat # RAB09244). Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark.

- Western Blot (Cell lysate)

  Western blot analysis of Hela (A), A549 (B), HL60 (C), U2OS (D) whole cell lysates with APC recombinant monoclonal antibody (Cat # RAB09244).

Gene Info — APC

Entrez GeneID	324
Protein Accession#	P25054
Gene Name	APC
Gene Alias	BTPS2, DP2, DP2.5, DP3, GS

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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 pat hway. It is also involved in other processes including cell migration and adhesion, transcriptional a ctivation, and apoptosis. Defects in this gene cause familial adenomatous polyposis (FAP), an au tosomal dominant pre-malignant disease that usually progresses to malignancy. Disease-associa ted 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

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- 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

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- 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

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- Systemic Inflammatory Response Syndrome
- Tay-Sachs disease
- Urinary Bladder Neoplasms
- Werner syndrome

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