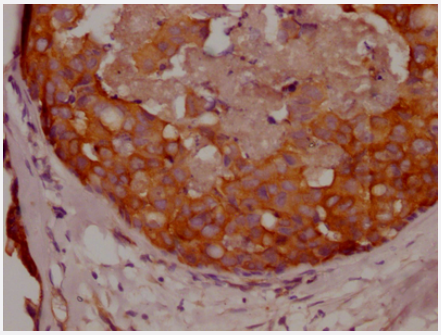
RecomAb™

APC recombinant monoclonal antibody, clone 5F2

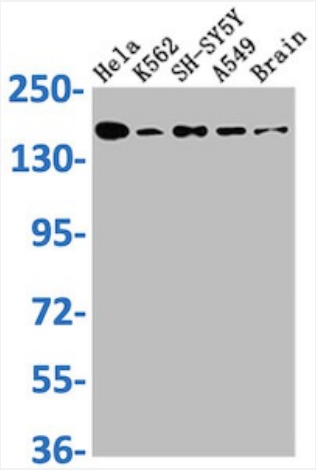
Catalog # RAB03992 Size 100 uL

Applications



Immunohistochemistry

Immunohistochemistry image of APC recombinant monoclonal antibody, clone 5F2 diluted at 1:100 and staining in paraffin-embedded human breast cancer performed on a Leica BondTM system.



Western Blot

Western Blot analysis of Lane 1: Hela whole cell lysate; Lane 2: K562 whole cell lysate; Lane 3: SH-SY5Y whole cell lysate; Lane 4: A549 whole cell lysate; Lane 5: Rat Brain whole cell lysate.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human and rat APC.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to full length human APC.
Theoretical MW (kDa)	Calculated MW: 312,

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Reactivity	Human, Rat
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Affinity-chromatography
Isotype	IgG
Recommend Usage	ELISA Immunohistochemistry (1:50-1:200) Western Blot (1:500-1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150mM NaCl, 50% glycerol and 0.02% sodium azide)
Storage Instruction	store at -20 °C or -80 °C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry

  Immunohistochemistry image of APC recombinant monoclonal antibody, clone 5F2 diluted at 1:100 and staining in paraffin-embedded human breast cancer performed on a Leica BondTM system.

- Enzyme-linked Immunoabsorbent Assay

- Western Blot

  Western Blot analysis of Lane 1: Hela whole cell lysate; Lane 2: K562 whole cell lysate; Lane 3: SH-SY5Y whole cell lysate; Lane 4: A549 whole cell lysate; Lane 5: Rat Brain whole cell lysate.

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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