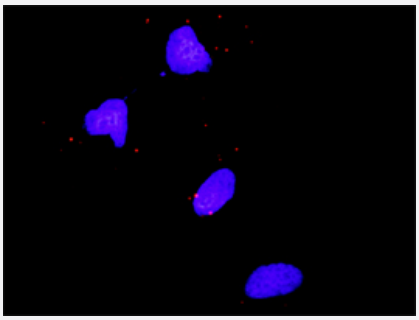
APC & SIAH1 Protein Protein Interaction Antibody Pair

Catalog # DI0402 Size 1 Set

Applications



Representative image of Proximity Ligation Assay of protein-protein interactions between APC and SIAH1. HeLa cells were stained with anti-APC rabbit purified polyclonal antibody 1:1200 and anti-SIAH1 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex. The images were analyzed using an optimized freeware (BlobFinder) download from The Centre for Image Analysis at Uppsala University.

Specification

Product Description	This protein protein interaction antibody pair set comes with two antibodies to detect the protein-protein interaction, one against the APC protein, and the other against the SIAH1 protein for use in *in situ* Proximity Ligation Assay. See Publication Reference below.
Reactivity	Human
Quality Control Testing	Protein protein interaction immunofluorescence result. Representative image of Proximity Ligation Assay of protein-protein interactions between APC and SIAH1. HeLa cells were stained with anti-APC rabbit purified polyclonal antibody 1:1200 and anti-SIAH1 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex. The images were analyzed using an optimized freeware (BlobFinder) download from The Centre for Image Analysis at Uppsala University.
Supplied Products	Antibody pair set content: 1. APC rabbit purified polyclonal antibody (100 ug) 2. SIAH1 mouse monoclonal antibody (40 ug) *Reagents are sufficient for at least 30-50 assays using recommended protocols.
Storage Instruction	Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze thaw cycle. Reagents should be returned to -20°C storage immediately after use.

Applications

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- *In situ* Proximity Ligation Assay (Cell)

Gene Info — APC

Entrez GeneID	324
Gene Name	APC
Gene Alias	BTPS2, DP2, DP2.5, DP3, GS
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

Gene Info — SIAH1

Entrez GeneID	6477
Gene Name	SIAH1
Gene Alias	FLJ08065, HUMSIAH, Siah-1, Siah-1a, hSIAH1
Gene Description	seven in absentia homolog 1 (Drosophila)
Omim ID	602212
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a protein that is a member of the seven in absentia homolog (SIAH) family. Th e protein is an E3 ligase and is involved in ubiquitination and proteasome-mediated degradation of specific proteins. The activity of this ubiquitin ligase has been implicated in the development of certain forms of Parkinson's disease, the regulation of the cellular response to hypoxia and inducti on of apoptosis. Alternative splicing results in several additional transcript variants, some encodin g different isoforms and others that have not been fully characterized. [provided by RefSeq
Other Designations	seven in absentia homolog 1|sonic hedgehog homolog

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Pathway

- Basal cell carcinoma
- Colorectal cancer
- Endometrial cancer
- p53 signaling pathway
- Pathways in cancer
- Regulation of actin cytoskeleton
- Ubiquitin mediated proteolysis
- Wnt signaling pathway
- Wnt signaling pathway

Disease

- Adenocarcinoma
- Adenoma
- Adenomatous Polyposis Coli
- Adenomatous Polyps
- Autistic Disorder
- Barrett Esophagus
- Bone Neoplasms
- Breast cancer
- Breast Neoplasms
- Carcinoma
- Cardiovascular Diseases
- Cell Transformation

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- 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
- Inflammatory Bowel Diseases
- Intestinal Polyps
- Jejunal Neoplasms
- Kidney Failure

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- 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
- Parkinson disease
- Precancerous Conditions
- Prostate cancer
- Prostatic Neoplasms
- Psychiatric Status Rating Scales
- Pulmonary Disease
- Rectal Neoplasms
- Stomach Neoplasms
- Syndrome
- Systemic Inflammatory Response Syndrome
- Tay-Sachs disease
- Urinary Bladder Neoplasms

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- Werner syndrome

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