MLH1(Texas Red)/CEN3q(FITC) FISH Probe

Catalog # FA0503 Size 200 uL

Specification

Product Description	Made to order FISH probes for identification of gene amplification using Fluorescent In Situ Hybridization Technique. (Technology).
Origin	Human
Source	Genomic DNA
Reactivity	Human
Notice	We **strongly recommend** the customer to use FFPE FISH PreTreatment Kit 1 (Catalog #: KA2375 or KA2691) for the pretreatment of Formalin-Fixed Paraffin-Embedded (FFPE) tissue sections.
Regulation Status	For research use only (RUO)
Supplied Products	DAPI Counterstain (1500 ng/mL) 250 uL
Storage Instruction	Store at 4°C in the dark.
Self-Attestation	Abnova self-attests to comply with the U.S. Framework for Nucleic Acid Synthesis Screening

Applications

- Fluorescent In Situ Hybridization (Cell)

  Protocol Download

Gene Info — MLH1

Entrez GeneID	4292
Gene Name	MLH1
Gene Alias	COCA2, FCC2, HNPCC, HNPCC2, MGC5172, hMLH1

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Gene Description	mutL homolog 1, colon cancer, nonpolyposis type 2 (E. coli)
Omim ID	114030 120436 158320 276300 609310
Gene Ontology	Hyperlink
Gene Summary	This gene was identified as a locus frequently mutated in hereditary nonpolyposis colon cancer (HNPCC). It is a human homolog of the E. coli DNA mismatch repair gene mutL, consistent with the characteristic alterations in microsatellite sequences (RER+ phenotype) found in HNPCC. Alternatively spliced transcript variants encoding different isoforms have been described, but their full-length natures have not been determined. [provided by RefSeq
Other Designations	DNA mismatch repair protein Mlh1|MutL protein homolog 1

Pathway

- Colorectal cancer
- Endometrial cancer
- Mismatch repair
- Pathways in cancer

Disease

- Adenocarcinoma
- Adenoma
- Anticipation
- Ataxia telangiectasia
- Breast cancer
- Breast Neoplasms
- Carcinoma
- Chromosomal Instability
- Chromosome Deletion
- Chronic Disease
- Colitis

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- Colon cancer
- Colonic Neoplasms
- Colonic Polyps
- Colorectal Neoplasms
- Cystadenocarcinoma
- Depressive Disorder
- Digestive System Neoplasms
- Disease Susceptibility
- DNA Damage
- Duodenal Neoplasms
- Endometrial Neoplasms
- Esophageal Neoplasms
- Gastritis
- Gastrointestinal Neoplasms
- Genetic Predisposition to Disease
- Genital Neoplasms
- Genomic Instability
- Helicobacter Infections
- Hemochromatosis
- Hepatitis B
- Hodgkin Disease
- Ileal Neoplasms
- Jejunal Neoplasms
- Kidney Failure
- Kidney Neoplasms
- Leukemia

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- Liver Neoplasms
- Lung Neoplasms
- Lymphoma
- Lynch Syndrome II
- Malignant melanoma
- Melanoma
- Meningeal Neoplasms
- Meningioma
- Mental Disorders
- Microsatellite Instability
- Neoplasm Invasiveness
- Neoplasm Recurrence
- Neoplasms
- Obesity
- Ovarian cancer
- Ovarian Neoplasms
- Pancreatic cancer
- Pancreatic Neoplasms
- Pattern Recognition
- Prostate cancer
- Prostatic Hyperplasia
- Prostatic Neoplasms
- Psychometrics
- Pulmonary Disease
- Rare Diseases
- Rectal Neoplasms

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- Recurrence
- Retinal Diseases
- Skin Neoplasms
- Stomach Neoplasms
- Stress
- Stress Disorders
- Thyroid Neoplasms
- Urinary Bladder Neoplasms
- Urologic Neoplasms
- Werner syndrome

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