MADH4(Texas Red)/CEN18q(FITC) FISH Probe

Catalog # FA0590 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 — SMAD4

Entrez GeneID	4089
Gene Name	SMAD4
Gene Alias	DPC4, JIP, MADH4

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Gene Description	SMAD family member 4
Omim ID	174900 175050 600993
Gene Ontology	Hyperlink
Gene Summary	mothers against decapentaplegic homolog 4|OTTHUMP00000163548|SMAD
Other Designations	MAD, mothers against decapentaplegic homolog 4|OTTHUMP00000163548|SMAD, mothers against DPP homolog 4|deleted in pancreatic carcinoma locus 4|mothers against decapentaplegic homolog 4|mothers against decapentaplegic, Drosophila, homolog of, 4

Publication Reference

- SMAD4 haploinsufficiency in small intestinal neuroendocrine tumors.

  Tobias Hofving, Erik Elias, Anna Rehammar, Linda Inge, Gülay Altiparmak, Marta Persson, Erik Kristiansson, Martin E Johansson, Ola Nilsson, Yvonne Arvidsson.

  BMC cancer 2021 Feb; 21(1):101.

  Application: FISH-P, Human, Small intestinal neuroendocrine tumors (SINETs)

Pathway

- Adherens junction
- Cell cycle
- Chronic myeloid leukemia
- Colorectal cancer
- Pancreatic cancer
- Pathways in cancer
- TGF-beta signaling pathway
- Wnt signaling pathway

Disease

- Adenocarcinoma
- Adenomatous Polyposis Coli

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- Carcinoma
- Cardiovascular Diseases
- Chromosome Deletion
- Cleft Lip
- Cleft Palate
- Colon cancer
- Colonic Neoplasms
- Colorectal Neoplasms
- Diabetes Mellitus
- Diabetic Nephropathies
- Disease Models
- Edema
- Gastrointestinal Neoplasms
- Genetic Predisposition to Disease
- Hemochromatosis
- Hypertension
- Intestinal Polyposis
- Intestinal Polyps
- Kidney Failure
- Liver Cirrhosis
- Microsatellite Instability
- Neoplasms
- Neoplastic Syndromes
- Obesity
- Osteoporosis
- Ovarian Failure

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- Pancreatic cancer
- Pancreatic Neoplasms
- Peutz-Jeghers Syndrome
- Polycystic Ovary Syndrome
- Polyps
- Precancerous Conditions
- Puberty
- Stomach Neoplasms
- Telangiectasia
- Testicular Neoplasms
- Thrombophilia
- Thyroid Neoplasms
- Tobacco Use Disorder

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