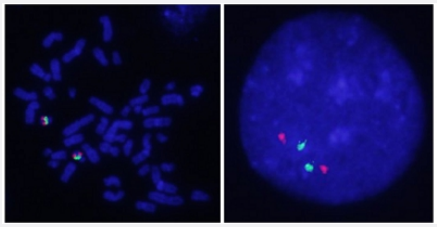
Sm Size

SMAD4/CEN18q FISH Probe

Catalog # FG0234 Size 200 uL, 100 uL

Applications



Specification

Product Description	Labeled FISH probes for identification of gene amplification using Fluorescent In Situ Hybridization T echnique. (Technology).
Probe 1	**Name:** SMAD4 **Size:** Approximately 330kb **Fluorophore:** Texas Red **Location:** 18q21.2
Probe 2	**Name:** CEN18q **Size:** Approximately 660kb **Fluorophore:** FITC **Location:** 18q11.2
Origin	Human

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Source	Genomic DNA
Reactivity	Human
Form	Liquid
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)
Quality Control Testing	Representative images of normal human cell (lymphocyte) stain with the dual color FISH probe. The l eft image is chromosomes at metaphase, and the right image is an interphase nucleus.
Supplied Products	DAPI Counterstain (1500 ng/mL) 125 uL for each 100 uL FISH Probe
Probe Position	
Storage Instruction	Store at 4°C in the dark.
Note	
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
Gene Description	SMAD family member 4
Omim ID	174900 175050 600993
Gene Ontology	Hyperlink
Gene Summary	mothers against decapentaplegic homolog 4|OTTHUMP00000163548|SMAD

Copyright © 2023 Abnova Corporation. All Rights Reserved.

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

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
- Carcinoma
- Cardiovascular Diseases
- Chromosome Deletion
- Cleft Lip
- Cleft Palate
- Colon cancer
- Colonic Neoplasms
- Colorectal Neoplasms
- Diabetes Mellitus
- Diabetic Nephropathies

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- 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
- Pancreatic cancer
- Pancreatic Neoplasms
- Peutz-Jeghers Syndrome
- Polycystic Ovary Syndrome
- Polyps
- Precancerous Conditions
- Puberty
- Stomach Neoplasms
- Telangiectasia

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Testicular Neoplasms
- Thrombophilia
- Thyroid Neoplasms
- Tobacco Use Disorder

Copyright © 2023 Abnova Corporation. All Rights Reserved.