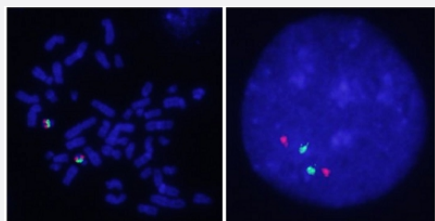


SMAD4/CEN18q FISH Probe

Catalog # FG0234

Size 200 uL, 100 uL

Applications



Specification

Product Description

Labeled FISH probes for identification of gene amplification using Fluorescent In Situ Hybridization Technique. ([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

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 left image is chromosomes at metaphase, and the right image is an interphase nucleus.

Supplied Product

DAPI Counterstain (1500 ng/mL) 125 uL for each 100 uL FISH Probe

Probe Position**Storage Instruction**

Store at 4°C in the dark.

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

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](#)
- [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](#)
- [Testicular Neoplasms](#)
- [Thrombophilia](#)
- [Thyroid Neoplasms](#)
- [Tobacco Use Disorder](#)