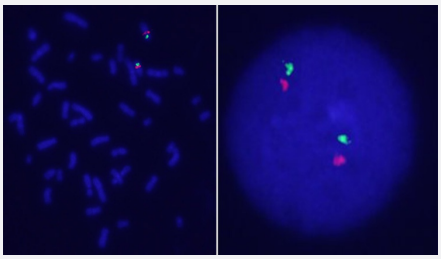
WNT10B/CEN12p FISH Probe

Catalog # FG0273 Size 200 uL

Applications



Hybridization position of the probes on the chromosome.

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Specification

Product Description	Labeled FISH probes for identification of gene amplification using Fluorescent In Situ Hybridization T echnique. (Technology).
Probe 1	**Name:** WNT10B **Size:** Approximately 360kb **Fluorophore:** Texas Red **Location:** 12q13.12
Probe 2	**Name:** CEN12p **Size:** Approximately 530kb **Fluorophore:** FITC **Location:** 12p11.22
Origin	Human

Source	Genomic DNA
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.
Regulatory 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 Product	DAPI Counterstain (1500 ng/mL) 125 uL for each 100 uL FISH Probe
Storage Instruction	Store at 4°C in the dark.
Note	Hybridization position of the probes on the chromosome. Hybridization position of the probes on the chromosome.

Applications

- Fluorescent In Situ Hybridization (Cell)

  Protocol Download

Gene Info — WNT10B

Entrez GeneID	7480
Gene Name	WNT10B
Gene Alias	SHFM6, WNT-12
Gene Description	wingless-type MMTV integration site family, member 10B
Omim ID	601906
Gene Ontology	Hyperlink
Gene Summary	The WNT gene family consists of structurally related genes which encode secreted signaling prot eins. These proteins have been implicated in oncogenesis and in several developmental process es, including regulation of cell fate and patterning during embryogenesis. This gene is a member of the WNT gene family. It may be involved in breast cancer, and its protein signaling is likely a mo lecular switch that governs adipogenesis. This protein is 96% identical to the mouse Wnt10b prot ein at the amino acid level. This gene is clustered with another family member, WNT1, in the chro mosome 12q13 region. [provided by RefSeq

Other Designations	WNT-10B protein

Pathway

- Basal cell carcinoma
- Hedgehog signaling pathway
- Melanogenesis
- Pathways in cancer
- Wnt signaling pathway

Disease

- Amyotrophic lateral sclerosis
- Anoxia
- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Fractures
- Genetic Predisposition to Disease
- Hip Fractures
- Osteoporosis
- Ovarian Neoplasms
- Spinal Fractures