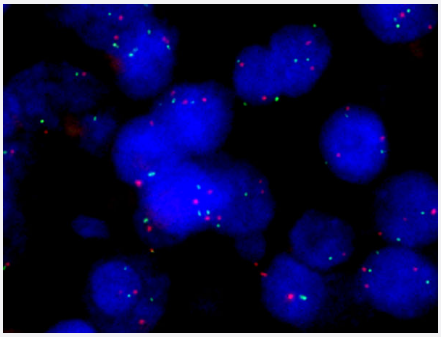
Sm Size

LAPTM4B/CEN8q FISH Probe

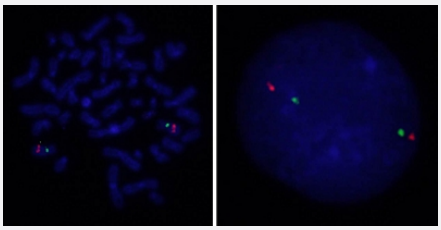
Catalog # FG0136 Size 200 uL, 100 uL

Applications



Fluorescent *In Situ* Hybridization (Formalin/PFA-fixed paraffin-embedded sections)

human breast cancer (FFPE) stained with LAPTM4B/CEN8q FISH Probe . human breast cancer showed no LAPTM4B amplification.



Hybridization position of the probes on the chromosome.

Hybridization position of the probes on the chromosome.

Specification

Product Description	Labeled FISH probes for identification of gene amplification using Fluorescent In Situ Hybridization T echnique. (Technology).

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Probe 1	**Name:** LAPTM4B **Size:** Approximately 300kb **Fluorophore:** Texas Red **Location:** 8q22.1
Probe 2	**Name:** CEN8q **Size:** Approximately 520kb **Fluorophore:** FITC **Location:** 8q11.21
Probe Gap	The gap between two probes is approximately 48,900 kb.
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 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
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.
Self-Attestation	Abnova self-attests to comply with the U.S. Framework for Nucleic Acid Synthesis Screening

Applications

- Fluorescent *In Situ* Hybridization (Formalin/PFA-fixed paraffin-embedded sections)

  human breast cancer (FFPE) stained with LAPTM4B/CEN8q FISH Probe . human breast cancer showed no LAPTM4B amplification.

  Protocol Download

- Fluorescent In Situ Hybridization (Cell)

  Protocol Download

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Gene Info — LAPTM4B

Entrez GeneID	55353
Gene Name	LAPTM4B
Gene Alias	LAPTM4beta, LC27
Gene Description	lysosomal protein transmembrane 4 beta
Gene Ontology	Hyperlink
Other Designations	lysosomal associated protein transmembrane 4 beta|lysosomal associated transmembrane protein 4 beta

Publication Reference

- LAPTM4B gene copy number gain is associated with inferior response to anthracycline-based chemotherapy in hormone receptor negative breast carcinomas.

  Rusz O, Papp O, Vízkeleti L, Molnár BÁ, Bende KC, Lotz G, Ács B, Kahán Z, Székely T, Báthori Á, Szundi C, Kulka J, Szállási Z, Tőkés AM.

  Cancer Chemotherapy and Pharmacology 2018 May; [Epub].

  Application: FISH, Human, Breast carcinomas

- Abstracts : 29th European Congress of Pathology.

  [No authors listed].

  Virchows Archiv : an International Journal of Pathology 2017 Aug; 471(Suppl 1):1.

  Application: FISH, Human, Human breast cancer

Pathway

- Lysosome

Disease

- Adenocarcinoma
- Carcinoma

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- Colon cancer
- Colonic Neoplasms
- Esophageal Neoplasms
- Genetic Predisposition to Disease
- Lung carcinoma
- Lung Neoplasms
- Rectal Neoplasms
- Stomach Neoplasms
- Tobacco Use Disorder

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