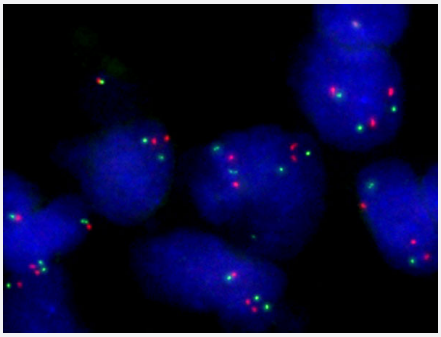
Sm Size

PLAG1/CEN8p FISH Probe

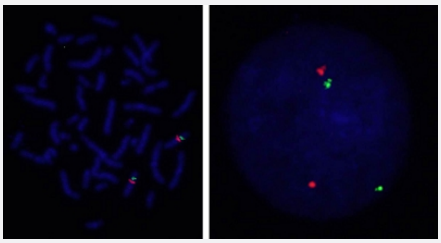
Catalog # FG0133 Size 200 uL, 100 uL

Applications



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

human cervix cancer (FFPE) stained with PLAG1/CEN8p FISH Probe . human cervix cancer showed no PLAG1 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:** PLAG1 **Size:** Approximately 420kb **Fluorophore:** Texas Red **Location:** 8q12.1
Probe 2	**Name:** CEN8p **Size:** Approximately 520kb **Fluorophore:** FITC **Location:** 8p11.21
Probe Gap	The gap between two probes is approximately 16,400 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)

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  Protocol Download

- Fluorescent In Situ Hybridization (Cell)

  Protocol Download

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Gene Info — PLAG1

Entrez GeneID	5324
Gene Name	PLAG1
Gene Alias	PSA, SGPA
Gene Description	pleiomorphic adenoma gene 1
Omim ID	181030 603026
Gene Ontology	Hyperlink
Gene Summary	Pleomorphic adenoma gene 1 encodes a zinc finger protein with 2 putative nuclear localization signals. PLAG1, which is developmentally regulated, has been shown to be consistently rearranged in pleomorphic adenomas of the salivary glands. PLAG1 is activated by the reciprocal chromosomal translocations involving 8q12 in a subset of salivary gland pleomorphic adenomas. Three transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq
Other Designations	Pleomorphic adenoma gene 1

Publication Reference

- Prognostic factors in the myoepithelial-like spindle cell type of metaplastic breast cancer.

  Leo F, Bartels S, Magel L, Framke T, Busche G, Jonigk D, Christgen M, Lehmann U, Kreipe H.

  Virchows Archiv 2016 Aug; 469(2):191.

  Application: FISH, Human, Metaplastic breast cancer

Disease

- Diabetes Mellitus

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