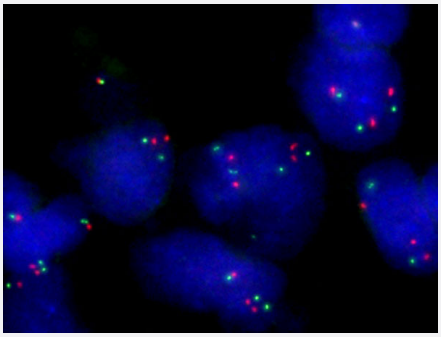
Sm Size

# PLAG1/CEN8p FISH Probe

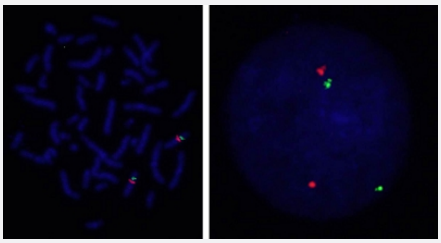
Catalog # FG0133 Size 200 uL, 100 uL

## 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<br>**Size:** Approximately 420kb<br>**Fluorophore:** Texas Red<br>**Location:** 8q12.1 |
| **Probe 2** | **Name:** CEN8p<br>**Size:** Approximately 520kb<br>**Fluorophore:** FITC<br>**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.<br>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 cervix cancer (FFPE) stained with PLAG1/CEN8p FISH Probe . human cervix cancer showed no PLAG1 amplification.

  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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