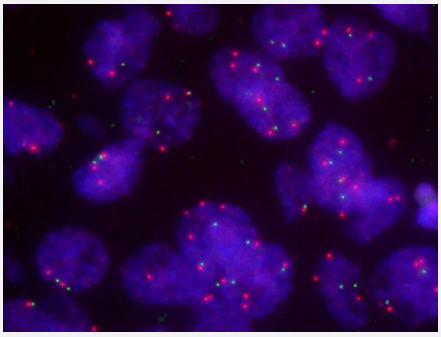
PLS3/CENXp FISH Probe

Catalog # FG0164 Size 200 uL

Applications



DNA Hybridization

Human Lung adenocarcinoma cells stained with PLS3/CENXp FISH Probe shows the PLS3 copy number gain.

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.
Probe 1	**Name:** PLS3 **Size:** Approximately 170 kb **Fluorophore:** Texas Red **Location:** Xq23
Probe 2	**Name:** CENXp **Size:** Approximately 400 kb **Fluorophore:** FITC **Location:** Xp11.22

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Probe Gap	The gap between two probes is approximately 5,790 kb
Origin	Human
Source	Genomic DNA
Reactivity	Human
Regulation Status	For research use only (RUO)
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

- DNA Hybridization

  Human Lung adenocarcinoma cells stained with PLS3/CENXp FISH Probe shows the PLS3 copy number gain.

Gene Info — PLS3

Entrez GeneID	5358
Gene Name	PLS3
Gene Alias	T-plastin
Gene Description	plastin 3 (T isoform)
Omim ID	300131
Gene Ontology	Hyperlink
Gene Summary	Plastins are a family of actin-binding proteins that are conserved throughout eukaryote evolution and expressed in most tissues of higher eukaryotes. In humans, two ubiquitous plastin isoforms (L and T) have been identified. Plastin 1 (otherwise known as Fimbrin) is a third distinct plastin isoform which is specifically expressed at high levels in the small intestine. The L isoform is expressed only in hemopoietic cell lineages, while the T isoform has been found in all other normal cells of solid tissues that have replicative potential (fibroblasts, endothelial cells, epithelial cells, melanocytes, etc.). The C-terminal 570 amino acids of the T-plastin and L-plastin proteins are 83% identical. It contains a potential calcium-binding site near the N terminus. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq

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Other Designations	T isoform|T plastin|plastin 3

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