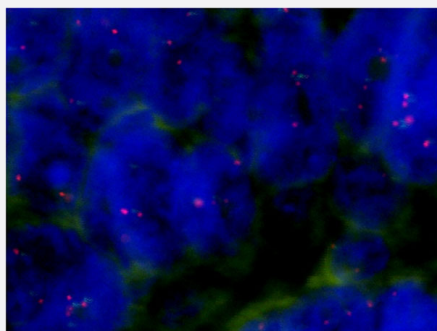


PTPRT/CEN20p FISH Probe

Catalog # FG0038

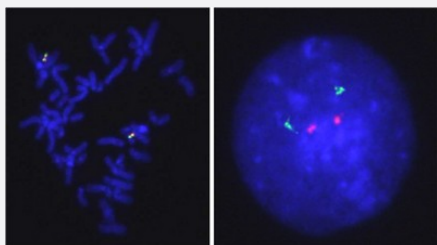
Size 200 uL, 100 uL

Applications



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

Human colon cancer (FFPE) stained with PTPRT/CEN20p FISH Probe. Human colon cancer showed no PTPRT gene 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 Technique. ([Technology](#)).

Probe 1	Name: PTPRT Size: Approximately 450kb Fluorophore: Texas Red Location: 20q12-q13
Probe 2	Name: CEN20q Size: Approximately 680kb Fluorophore: FITC Location: 20q11.22
Probe Gap	The gap between two probes is approximately 4,200 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 left 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](#)

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

Human colon cancer (FFPE) stained with PTPRT/CEN20p FISH Probe. Human colon cancer showed no PTPRT gene amplification.

[Protocol Download](#)

Gene Info — PTPRT

Entrez GeneID [11122](#)

Gene Name PTPRT

Gene Alias KIAA0283, RPTPrho

Gene Description protein tyrosine phosphatase, receptor type, T

Omim ID [608712](#)

Gene Ontology [Hyperlink](#)

Gene Summary

The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. This PTP possesses an extracellular region, a single transmembrane region, and two tandem intracellular catalytic domains, and thus represents a receptor-type PTP. The extracellular region contains a meprin-A5 antigen-PTP (MAM) domain, Ig-like and fibronectin type III-like repeats. The protein domain structure and the expression pattern of the mouse counterpart of this PTP suggest its roles in both signal transduction and cellular adhesion in the central nervous system. Two alternatively spliced transcript variants of this gene, which encode distinct proteins, have been reported. [provided by RefSeq]

Other Designations OTTHUMP00000031658|receptor protein tyrosine phosphatase

Disease

- [Arthritis](#)
- [Carcinoma](#)
- [Genetic Predisposition to Disease](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Tobacco Use Disorder](#)