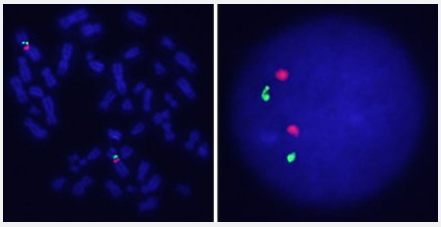
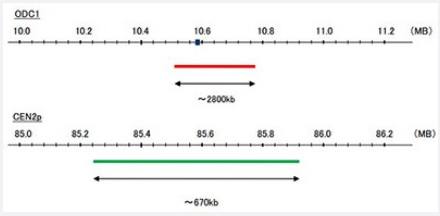
ODC1/CEN2p FISH Probe

Catalog # FG0266 Size 100 uL

Applications





Specification

Product Description	Labeled FISH probes for identification of gene translocation using Fluorescent In Situ Hybridization T echnique. (Technology).
Probe 1	**Name:** ODC1 **Size:** Approximately 280kb **Fluorophore:** Texas Red **Location:** 2p25.1
Probe 2	**Name:** CEN2p **Size:** Approximately 670kb **Fluorophore:** FITC **Location:** 2p11.2
Origin	Human

Copyright © 2023 Abnova Corporation. All Rights Reserved.

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.
Regulatory Status	For research use only (RUO)
Supplied Products	DAPI Counterstain (1500 ng/mL) 125 uL for each 100 uL FISH Probe
Storage Instruction	Store the kit at 4°C.
Note	
Self-Attestation	Abnova self-attests to comply with the U.S. Framework for Nucleic Acid Synthesis Screening

Applications

- Fluorescent In Situ Hybridization (Cell)

  Protocol Download

Gene Info — ODC1

Entrez GeneID	4953
Gene Name	ODC1
Gene Alias	ODC
Gene Description	ornithine decarboxylase 1
Omim ID	114500 165640
Gene Ontology	Hyperlink
Gene Summary	This gene encodes the rate-limiting enzyme of the polyamine biosynthesis pathway which catalyze s ornithine to putrescine. The activity level for the enzyme varies in response to growth-promoting stimuli and exhibits a high turnover rate in comparison to other mammalian proteins. Originally loc alized to both chromosomes 2 and 7, the gene encoding this enzyme has been determined to be l ocated on 2p25, with a pseudogene located on 7q31-qter. [provided by RefSeq
Other Designations	-

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Pathway

- Arginine and proline metabolism
- Biosynthesis of alkaloids derived from ornithine
- Glutathione metabolism
- Metabolic pathways

Disease

- Adenoma
- Adenomatous Polyposis Coli
- Breast cancer
- Breast Neoplasms
- Colon cancer
- Colonic Neoplasms
- Colorectal Neoplasms
- Gastritis
- Genetic Predisposition to Disease
- Neoplasm Recurrence
- Precancerous Conditions
- Recurrence
- Stomach Neoplasms

Copyright © 2023 Abnova Corporation. All Rights Reserved.