ODC1 FISH Probe

Catalog # FA0061 Size 200 uL

Specification

Product Description	Made to order FISH probes for identification of gene amplification using Fluorescent In Situ Hybridization Technique. (Technology).
Origin	Human
Source	Genomic DNA
Reactivity	Human
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)
Supplied Products	DAPI Counterstain (1500 ng/mL) 250 uL
Storage Instruction	Store at 4°C in the dark.
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

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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 catalyzes 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 localized to both chromosomes 2 and 7, the gene encoding this enzyme has been determined to be located on 2p25, with a pseudogene located on 7q31-qter. [provided by RefSeq
Other Designations	-

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

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- Recurrence
- Stomach Neoplasms

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