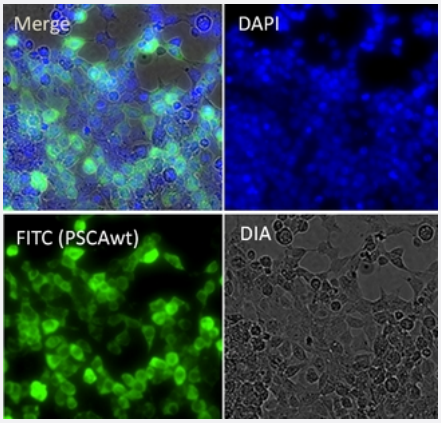
# mutaFISH™ PSCAwt RNA Probes

Catalog # FP0032 Size 1 Probe Set

## Applications




### mutation specific, Fluorescence *In Situ* Hybridization (Cells)

mutaFISH™ staining was performed in situ in PSCA transfected 293T cells. PSCA gene was detected via green signal (FITC).

## Specification

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|---|---|
| **Product Description** | mutaFISH™ PSCAwt RNA Probes is designed to detect human PSCA gene on single strand RNA in cells using padlock probe and *in situ* rolling-circle amplification technology. |
| **Reactivity** | Human |
| **Supplied Products** | Content:<br>1. RT PSCA Primer<br>2. mutaFISH™ PSCAwt RNA Probe<br>3. Detection Probe-FITC |
| **Technology** | mutaFISH™ (mutation-specific Fluorescence *In Situ* Hybridization) |
| **Comparison** | FISH Probes vs mutaFISH™ Probes |
| **Fluorophore** | FITC (Excitation Peak (nm): 495; Emission Peak (nm): 519) |
| **Probe Position** | |

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| **Regulatory Status** | For research use only (RUO) |
| **Storage Instruction** | Store at -20°C.<br>Aliquot to avoid repeated freezing and thawing. |
| **Note** | We recommend mutaFISH™ RNA Accessory Kit (Catalog #: KA4915) which provides necessary re agents and enzymes for *in situ* reverse transcription, RNA digestion, mutaFISH™ hybridization, ligati on and amplication prior to mutaFISH™. |
| **Self-Attestation** | Abnova self-attests to comply with the U.S. Framework for Nucleic Acid Synthesis Screening |
| **Video** | |

## Applications

- mutation specific, Fluorescence *In Situ* Hybridization (Cells)

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## Gene Info — PSCA

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|---|---|
| **Entrez GeneID** | 8000 |
| **Gene Name** | PSCA |
| **Gene Alias** | PRO232 |
| **Gene Description** | prostate stem cell antigen |
| **Omim ID** | 602470 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | This gene encodes a glycosylphosphatidylinositol-anchored cell membrane glycoprotein. In additi on to being highly expressed in the prostate it is also expressed in the bladder, placenta, colon, ki dney, and stomach. This gene is up-regulated in a large proportion of prostate cancers and is als o detected in cancers of the bladder and pancreas. This gene has a nonsynonymous nucleotide p olymorphism at its start codon. [provided by RefSeq |

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|---|---|
| **Other Designations** | - |

## Disease

- Adenocarcinoma
- Carcinoma
- Disease Progression
- Genetic Predisposition to Disease
- Intestinal Neoplasms
- Neoplasms
- Stomach Neoplasms
- Urinary Bladder Neoplasms

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