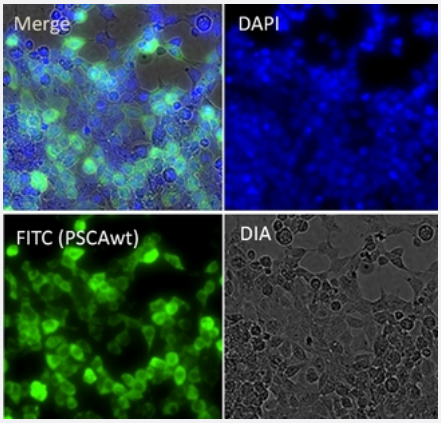
mutaFISH™ PSCAwt RNA Probes

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

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: 1. RT PSCA Primer 2. mutaFISH™ PSCAwt RNA Probe 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. 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

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Gene Info — PSCA

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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