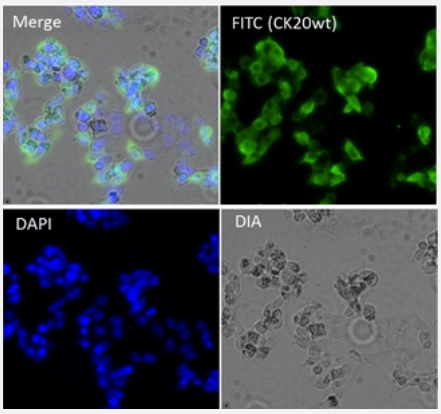
mutaFISH™ CK20wt RNA Probes

Catalog # FP0030 Size 1 Probe Set

Applications



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

mutaFISH™ staining was performed *in situ* in CK20 transfected 293T cells. CK20 gene was detected via green signal (FITC).

Specification

Product Description	mutaFISH™ CK20wt RNA Probes is designed to detect human CK20 gene on single strand RNA in cells using padlock probe and *in situ* rolling-circle amplification technology.
Reactivity	Human
Supplied Products	Content: 1. RT CK20 Primer 2. mutaFISH™ CK19wt 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 — KRT20

Entrez GeneID	54474
Gene Name	KRT20
Gene Alias	CD20, CK20, K20, KRT21, MGC35423
Gene Description	keratin 20
Omim ID	608218
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the keratin family. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into c ytokeratins and hair keratins. The type I cytokeratins consist of acidic proteins which are arranged in pairs of heterotypic keratin chains. This cytokeratin is a major cellular protein of mature enteroc ytes and goblet cells and is specifically expressed in the gastric and intestinal mucosa. The type I cytokeratin genes are clustered in a region of chromosome 17q12-q21. [provided by RefSeq

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Other Designations	cytokeratin 20|keratin, type I cytoskeletal 20

Disease

- Genetic Predisposition to Disease
- Growth Disorders

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