

Datasheet

mutaFISH™ KRAS G12wt G13wt RNA Probes

Catalog Number: FP0017

Regulatory Status: For research use only (RUO)

Product Description: mutaFISH™ KRAS G12wt G13wt RNA Probes is designed to detect human KRAS G12/G13 wildtype on single strand RNA in cells using padlock probe and *in situ* rolling-circle amplification technology.

Applications: mutaFISH-Ce
(See our web site product page for detailed applications information)

Protocols: See our web site at <http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Supplied Product: Content:

1. RT KRAS G12/G13 primer
2. mutaFISH™ KRAS G12wt RNA probe 1
3. mutaFISH™ KRAS G12wt RNA probe 2
4. mutaFISH™ KRAS G13wt RNA probe
5. Detection Probe-Cy5

Storage Instruction: Store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 3845

Gene Symbol: KRAS

Gene Alias: C-K-RAS, K-RAS2A, K-RAS2B, K-RAS4A, K-RAS4B, KI-RAS, KRAS1, KRAS2, NS3, RASK2

Gene Summary: This gene, a Kirsten ras oncogene homolog from the mammalian ras gene family, encodes a protein that is a member of the small GTPase superfamily. A single amino acid substitution is responsible for an activating mutation. The transforming protein that results is implicated in various malignancies,

including lung adenocarcinoma, mucinous adenoma, ductal carcinoma of the pancreas and colorectal carcinoma. Alternative splicing leads to variants encoding two isoforms that differ in the C-terminal region. [provided by RefSeq]