NRAS MUTATION, CODON 12, 13 & 61

NRAS MUTATION, CODON 12, 13 & 61 -	
(PCR, Sequencing)	
Codon 12 Mutation	Detected / Not detected
Codon 13 Mutation	Detected / Not detected
Codon 61 Mutation	Detected / Not detected

Note:

1. This result does not rule out the presence of mutation that may be below the detection limits of the assay (10% tumor)
2. The assay detects all variants of codons 12, 13 and 61
3. This is an in-house developed assay for research purposes only. Results to be interpreted in context of clinical findings, tumor sampling and other laboratory data.

Comments

RAS mutations are commonly found in cancer tissue, causing a permanent activation of the signal transduction pathway downstream of the EGF receptor (EGFR), thus positive signaling for cell growth. Most frequent are KRAS mutations in codons 12,13 in the second (first transcribed) exon. Up to 45% of all colorectal cancer patients exhibit KRAS 12,13 mutations, while another 10-15% may have mutations in KRAS exons 3 and 4 or in the respective regions of the homologous NRAS gene.