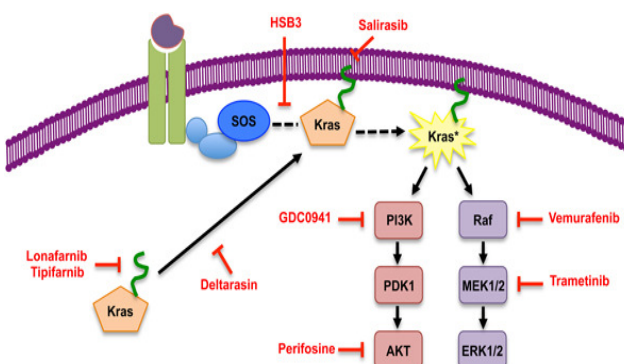


TRUPCR®KRAS MutationKit

The TRUPCR® KRAS Mutation Kit (K-RAS Kit) is an in vitro diagnostic test intended for the qualitative detection of KRAS somatic mutations in the genomic DNA extracted from fresh, frozen or formalin fixed paraffin-embedded (FFPE) tissue. The TRUPCR KRAS Kit is based on allele specific amplification and is achieved by ARMS PCR. Taq DNA

polymerase is extremely effective at distinguishing between a match and a mismatch at the 3'-end of a PCR primer. The kit is designed to selectively amplify mutant specific sequences in samples that contain a mixture of wild-type and mutated DNA. The most common mutations are found in codons 12, 13 and 61. The detection is achieved using fluorescent probes labelled with FAM and HEX. The TRUPCR KRAS Kit is composed of 11 assays for the detection of the KRAS mutations and a reference control gene of KRAS region without any known polymorphism/mutation.



Key features:

- Selective Amplification of DNA containing mutation with ARMS Technology
- Sensitive to detect up to 1% mutation in KRAS gene
- Detects 22 different mutations in a single run
- Extraction control included to avoid false-negative results
- Rapid, more reliable, comprehensive and cost effective tests
- Easy work flow & compatible with various Real Time PCR instruments

KRAS Detectable mutations:

Exon	Codon	Mutation	Nucleotide Change
2	12	G12C	c.34G>T
		G12S	c.34G>A
		G12R	c.34G>C
		G12V	c.35G>T
		G12D	c.35G>A
		G12A	c.35G>C
2	13	G13D	c.38G>A
3	59	A59T	c.175G>A
		A59E	c.176 C>A
		A59G	c. 176 C>G
3	61	Q61K	c.181C>A
		Q61L	c.182A>T
		Q61R	c.182A>G
		Q61H	c.183A>T
		Q61H	c.183A>C
4	117	K117E	c.349A>G
		K117R	c.350A>G
		K117N	c.351A>C
		K117N	c.351A>T
4	146	A146T	c.436G>A
		A146P	c.436G>C
		A146V	c.437C>T

This kit can become useful in suggesting that all patients to be administered anti-EGFR monoclonal antibody therapy, should first be screened for KRAS mutations.

Ordering information:

Cat. No.	Product	Contents
3B1261	TRUPCR®KRAS MutationKit	48Rxn
3B1262	TRUPCR®KRAS MutationKit	96Rxn

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Visit us at www.3bblackbio.com