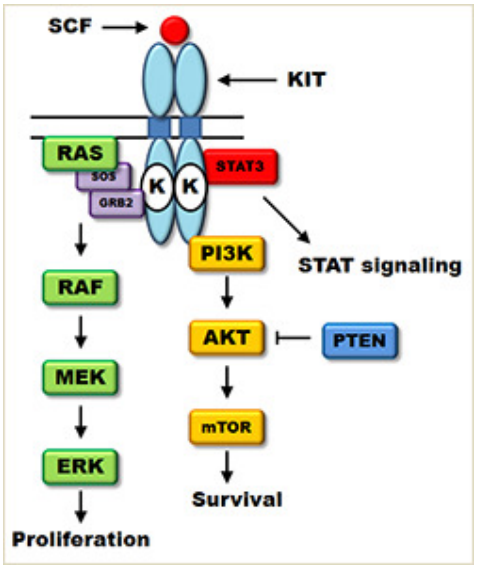
TRUPCR® C-KIT Mutation Detection Kit

The **TRUPCR® C-KIT Mutation Detection** is a PCR-based in vitro diagnostic test designed to detect D816V in the C-KIT gene in genomic DNA extracted from peripheral blood of patients diagnosed with acute myelogenous leukemia (AML) or other malignancy.



KIT is a receptor tyrosine kinase involved in proliferation, differentiation, and survival. KIT mutations affect predominantly exons 8 or 17, lead to a gain of function, and occur in 2%–14% of all cases of AML. The incidence of KIT mutations is higher in core-binding factor leukemia, being found in about 7%–46% of cases. The presence of KIT mutations in core binding factor leukemia is generally accepted to be associated with a worse prognosis. The D816V mutation results in an amino acid substitution at position 816 in KIT, from an aspartic acid (D) to a valine (V). This mutation is associated with intermediate prognosis in AML in patients with t(8;21), inv(16), or t(16;16) karyotype. In patients without KIT mutations, t(8;21), inv(16), and t(16;16) are associated with favorable prognosis.

Key features:

- TRUPCR® C-KIT mutation detection Kit allows sensitive and specific detection of most common D816V in single run.
- The kit offers sensitivity to detect up to 1% mutant allele in background of 99% wild type alleles.
- It is compatible with various Real Time& Conventional PCR instruments
- Easy-to-use, rapid, reliable, comprehensive and cost-effective tests

Ordering information:

Cat. No.	Product	Contents
3B1341/42	TRUPCR® C-KIT Mutation Detection Kit	48Rxn / 96Rxn

For enquiries please email us at : info@3bblackbio.com Or
Visit us at www.3bblackbio.com