

Our ABL1 break apart probe is designed to detect ABL1 translocations. The probe comes labeled in green and orange, but can be customized to meet your needs.

Gene Background: The ABL1 protein regulates actin binding and remodeling, cell motility and adhesion, receptor endocytosis and autophagy. It also aids in checkpoint repair after moderate DNA damage, and apoptosis after serious damage. Best known for its fusion with BCR in chronic myeloid leukemia, which produces the well-known BCR-ABL1 fusion gene or Philadelphia Chromosome, ABL1 has also been shown to fuse with several other partner genes. These include ETV6 in ALL, MPN, and Ph-negative CML; RCSD1, SEPO, and ZMIZ1 in B-cell ALL; and NUP214 and EML1 in T-cell ALL. All of these fusions result from the joining of the 5' sequences of the partner gene with the 3' sequences of ABL1. Although most ABL1 fusion genes are associated with a distinct leukemia subtype, both BCR-ABL1 and ETV6-ABL1 are found in several disease phenotypes. Some studies have suggested that these non-specific fusion occur in hematopoietic pluripotent or committed stem cells, leading to leukemia with diverse phenotypes.

Source: [De Braekeleer E, et al. \(2011\) Euro jour haem 86.5: 361-371.](#)

ABL1 Break Apart (vB) Probe (9q34.11-q34.13)

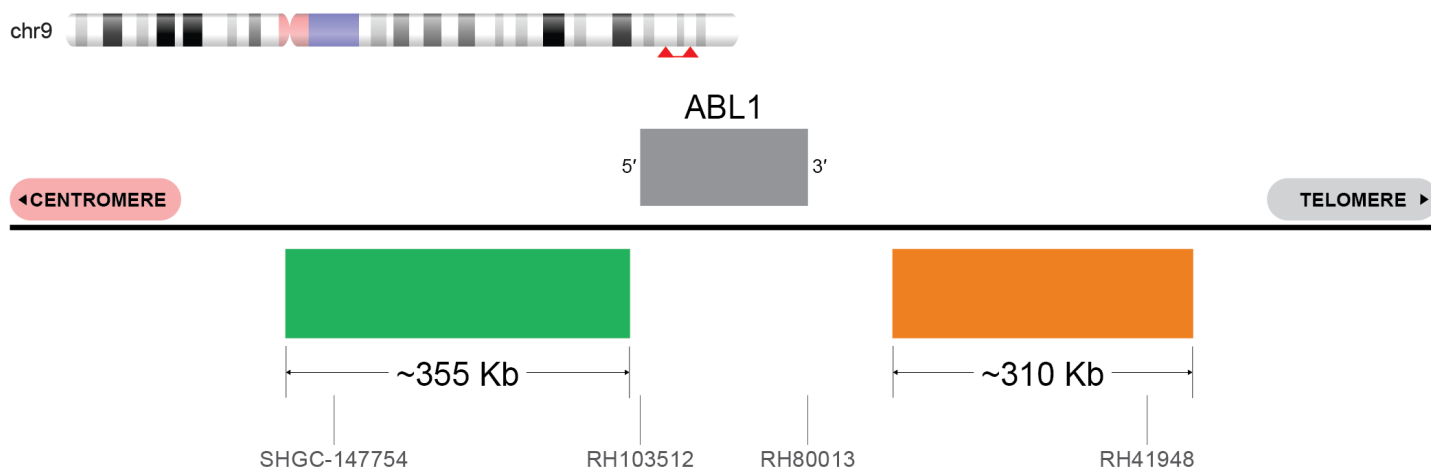








IMAGE NOT DRAWN TO SCALE

SKU	Test Kits	Buffer	Dye Color		Price
ABL1BA-20-GROR	20 (40 µL)	200 µL			\$1,910.00
ABL1BA-20-GRGO	20 (40 µL)	200 µL			\$2,292.00
ABL1BA-20-GRRE	20 (40 µL)	200 µL			\$2,292.00

Ordering Instructions:

To order the ABL1 Break Apart FISH Probe, visit

<https://www.empiregenomics.com/fish-probes/gene/ABL1+Break+Apart+FISH+Probe>

or contact our office at **(716) 856-3873**.

** For in vitro use only / CE marked in certain countries / RUO in US and other countries*