

## Datasheet

### ABL1 (Human) Cell-Based ELISA Kit

by RefSeq]

**Catalog Number:** KA2553**Regulatory Status:** For research use only (RUO)**Product Description:** ABL1 (Human) Cell-Based ELISA Kit is an indirect enzyme-linked immunoassay for qualitative determination of ABL1 expression in cultured cells.**Suitable Sample:** Attached Cell**Label:** HRP-conjugated**Detection Method:** Colorimetric**Reactivity:** Human, Mouse, Rat**Applications:** Qual

(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**Storage Instruction:** Store the kit at 4°C.**Entrez GeneID:** 25**Gene Symbol:** ABL1**Gene Alias:** ABL, JTK7, bcr/abl, c-ABL, p150, v-abl**Gene Summary:** The ABL1 protooncogene encodes a cytoplasmic and nuclear protein tyrosine kinase that has been implicated in processes of cell differentiation, cell division, cell adhesion, and stress response. Activity of c-Abl protein is negatively regulated by its SH3 domain, and deletion of the SH3 domain turns ABL1 into an oncogene. The t(9;22) translocation results in the head-to-tail fusion of the BCR (MIM:151410) and ABL1 genes present in many cases of chronic myelogenous leukemia. The DNA-binding activity of the ubiquitously expressed ABL1 tyrosine kinase is regulated by CDC2-mediated phosphorylation, suggesting a cell cycle function for ABL1. The ABL1 gene is expressed as either a 6- or 7-kb mRNA transcript, with alternatively spliced first exons spliced to the common exons 2-11. [provided