

**anti-c-Abl**

Cat #: HM1002  
Mouse monoclonal IgG  
0.2 µg/µl, store at 4 °C

For research use only

**BACKGROUND**

The Abl oncogene was initially identified as the viral transforming gene of Abelson murine leukemia virus (A-MuLV). The major translational product of c-Abl has been identified as a 120 kDa protein with tyrosine kinase activity and an SH2 domain. The Abl oncogene is implicated in several human leukemias including 90-95% of chronic myelocytic leukemia (CML), 20-25% of adult acute lymphoblastic leukemia (ALL) and 2-5% of pediatric ALL. In these leukemias the c-Abl proto-oncogene undergoes a (9;22) chromosomal translocation producing the Philadelphia (Ph1) chromosome. The translocation generates a chimeric Bcr/c-Abl mRNA encoding activated Abl protein-tyrosine kinase. The Bcr gene has been shown to encode a GTPase-activating protein (GAP) specific for the Ras-related GTP-binding protein, p21rac.

**SPECIFICITY**

This antibody specifically recognizes c-Abl p120 of human and mouse origin.

The antibody can be used in Western blotting, immunoprecipitation and immunostaining.

**IMMUNOGEN**

A recombinant protein at the carboxy terminal domain of c-Abl.

**STORAGE**

This antibody is stable for 12 months when stored at 2-8°C.

**REFERENCES**

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