

c Abl-Specific Polyclonal antibody

Catalog Number: 19772-1-AP

Basic Information

Catalog Number:

19772-1-AP

Size:

130 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_005157

GeneID (NCBI):

25

UNIPROT ID:

P00519

Full Name:

c-abl oncogene 1, receptor tyrosine kinase

Calculated MW:

123 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

ELISA

Species Specificity:

human, mouse, rat

Background Information

ABL1, also named as ABL, JTK7, c-ABL and p150, belongs to the protein kinase superfamily, Tyr protein kinase family and ABL subfamily. ABL1 regulates cytoskeleton remodeling during cell differentiation, cell division and cell adhesion. ABL1 localizes to dynamic actin structures, and phosphorylates CRK and CRKL, DOK1, and other proteins controlling cytoskeleton dynamics. It regulates DNA repair potentially by activating the proapoptotic pathway when the DNA damage is too severe to be repaired. ABL1 catalyze the reaction: ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine phosphate. A chromosomal aberration involving ABL1 is a cause of chronic myeloid leukemia (CML) [MIM:608232]. Translocation t(9;22)(q34;q11) with BCR. The translocation produces a BCR-ABL found also in acute myeloid leukemia (AML) and acute lymphoblastic leukemia (ALL). The antibody is specific to ABL1.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

