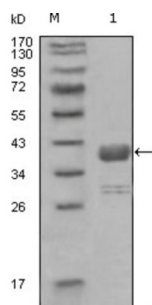


Tyrosine-Protein Kinase ABL1 (ABL1) Antibody

Catalogue No.: abx011613



Western blot analysis using ABL1 antibody against truncated GST-ABL1 recombinant protein (1).

The Tyrosine-Protein Kinase ABL1 (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 Tyrosine-Protein Kinase ABL1 (ABL1) into an oncogene. The t (9;22) translocation results in the head-to-tail fusion of the BCR (MIM:151410) and Tyrosine-Protein Kinase ABL1 (ABL1) genes present in many cases of chronic myelogenous leukemia. The DNA-binding activity of the ubiquitously expressed Tyrosine-Protein Kinase ABL1 (ABL1) tyrosine kinase is regulated by CDC2-mediated phosphorylation, suggesting a cell cycle function for Tyrosine-Protein Kinase ABL1 (ABL1). The Tyrosine-Protein Kinase ABL1 (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. ABL2 is a cytoplasmic tyrosine kinase which is closely related to but distinct from Tyrosine-Protein Kinase ABL1 (ABL1). The similarity of the proteins includes the tyrosine kinase domains and extends amino-terminal to include the SH2 and SH3 domains. ABL2 is expressed in both normal and tumor cells. The ABL2 gene product is expressed as two variants bearing different amino termini, both approximately 12-kb in length.

Target: Tyrosine-Protein Kinase ABL1 (ABL1)

Clonality: Monoclonal

Reactivity: Human

Tested Applications: ELISA

Host: Mouse

Recommended dilutions: ELISA: 1/10000. Optimal dilutions/concentrations should be determined by the end user.

Conjugation: Unconjugated

Immunogen: Purified recombinant fragment of ABL1 (aa577-650) expressed in E. coli.

Isotype: IgG₁

Form: Liquid

Purification: Unpurified ascites.

Datasheet

Version: 4.0.0
Revision date: 31 Aug 2025



Storage: Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.

UniProt Primary AC: P00519 ([UniProt](#), [ExPASy](#))

Gene Symbol: ABL1

GeneID: [25](#)

OMIM: [189980](#)

HGNC: 76

KEGG: hsa:25

Ensembl: ENSG00000097007

String: [9606.ENSP00000361423](#)

Molecular Weight: 122 kDa

Buffer: Ascitic fluid containing 0.03% sodium azide.

Concentration: Not determined.

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.