

## ABL1 Polyclonal Antibody

Catalog No. E-AB-30710

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

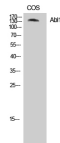
### Description

<b>Reactivity</b>	Human, Mouse, Rat, Monkey
<b>Immunogen</b>	Synthesized peptide derived from human Abl1 around the non-phosphorylation site of Thr735.
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Purification</b>	Affinity purification
<b>Conjugation</b>	Unconjugated
<b>Buffer</b>	PBS with 0.02% sodium azide, 0.5% BSA and 50% glycerol, pH7.4

### Applications Recommended Dilution

**WB 1:500-1:2000,  
ELISA 1:20000**

### Data



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Western Blot analysis of COS-7 cells using Abl1  
Polyclonal Antibody at dilution of 1:2000.

**Observed Mw:140kDa  
Calculated Mw:123kDa**

### Preparation & Storage

**Storage** Store at -20°C. Avoid freeze / thaw cycles.

### Background

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.

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