

## Product datasheet for **AP55749PU-N**

### **c Abl (ABL1) pThr735 Rabbit Polyclonal Antibody**

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	<b>Western blot:</b> 1:500~1:1000.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Peptide sequence around phosphorylation site of threonine735 (S-V-T(p)-L-P) derived from Human ABL1 (KLH-conjugated)
Specificity:	The antibody detects endogenous levels of ABL1 only when phosphorylated at threonine 735.
Formulation:	Rabbit IgG in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol State: Aff - Purified State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Affinity chromatography using epitope-specific peptide
Conjugation:	Unconjugated
Storage:	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	135 kDa
Gene Name:	ABL proto-oncogene 1, non-receptor tyrosine kinase
Database Link:	<a href="#">Entrez Gene 25 Human P00519</a>



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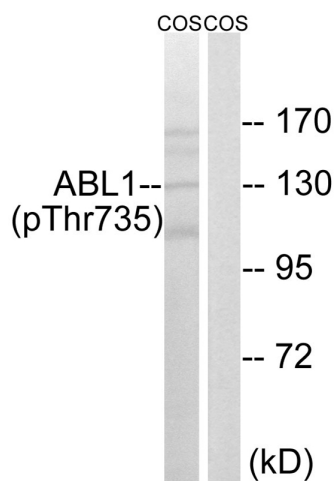
**Background:**

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.

**Synonyms:**

c-ABL, p150, JTK7, bcr/abl

**Product images:**



Western blot analysis of extracts from COS cells treated with EGF using ABL1 (Phospho-Thr735) Antibody. The lane on the right is treated with the antigen-specific peptide.