

## ABL1 (Phospho-Thr735) Antibody

Catalog No: #11725



Package Size: #11725-1 50ul #11725-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

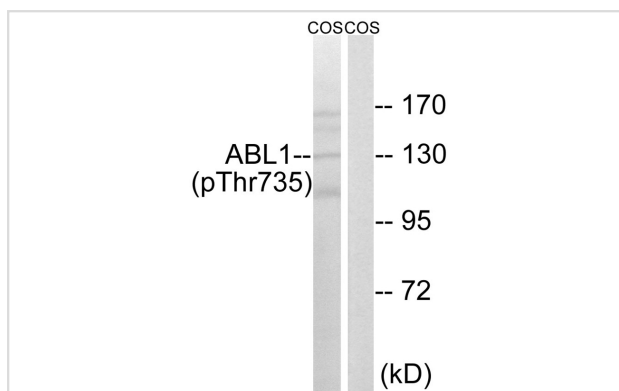
## Description

Product Name	ABL1 (Phospho-Thr735) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Applications	WB
Species Reactivity	Human
Specificity	The antibody detects endogenous levels of ABL1 only when phosphorylated at threonine 735.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of threonine735 (S-V-T(p)-L-P) derived from Human ABL1.
Conjugates	Unconjugated
Target Name	ABL1
Modification	Phospho
Other Names	Abelson murine leukemia viral oncogene 1; ABL1; c-ABL; JTK7; p150
Accession No.	Swiss-Prot#: P00519; NCBI Gene#: 25; NCBI Protein#: NP_005148.2.
Calculated MW	123 kDa
SDS-PAGE MW	135 kDa
Concentration	1.0mg/ml
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.
Storage	Store at -20°C/1 year

## Application Details

Western blotting: 1:500~1:1000

## Images



Western blot analysis of extracts from COS cells treated with EGF using ABL1 (Phospho-Thr735) Antibody #11725. The lane on the right is treated with the antigen-specific peptide.

## 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.

Fainstein E., *Oncogene* 4:1477-1481(1989).

Shtivelman E., *Cell* 47:277-284(1986).

Chissov S.L., *Genomics* 27:67-82(1995).

## Published Papers

Zang Chenchen, Cai Min, Chen Qian, Yu Meng, Yan Jingjing, Guo Yilin, Wang Muqing, Wu Congyu, Gao Yuan, Qi Yun et al., *Elephantopus scaber* attenuates MC903-caused atopic dermatitis and decreases TNF- $\alpha$ /IFN- $\gamma$ -induced chemokines by suppressing MKP-1-mediated AP-1 signaling  $\beta$   $\downarrow$ , *Journal of ethnopharmacology*, (2025)

[PMID:40633861](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.