

ABL1 (Phospho-Thr735) Antibody

Catalog No: #11725



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

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

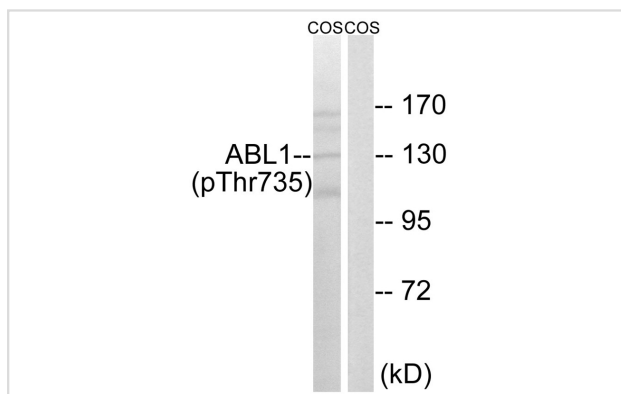
Description

| | |
|-----------------------|--|
| 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 | Hu |
| 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. |
| Target Name | ABL1 |
| Modification | Phospho-Thr735 |
| 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. |
| SDS-PAGE MW | 135kd |
| Concentration | 1.0mg/ml |
| Formulation | Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), 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).

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

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