Product Datasheet

ABL1 (Phospho-Thr735) Antibody

Catalog No: #11725

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

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

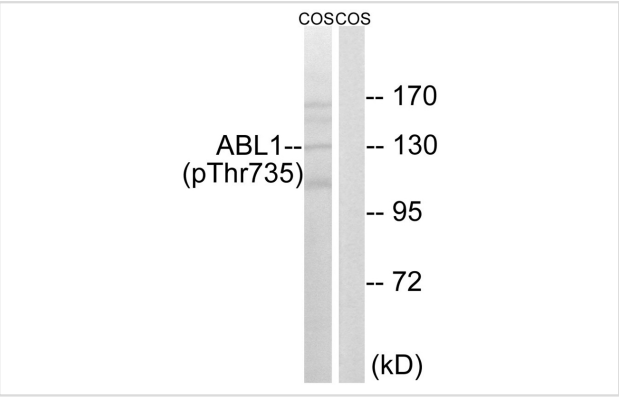
Description

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 chromatogramphy 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
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.
Uniprot	P00519
GeneID	25;
SDS-PAGE MW	135kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), 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 myelogeneous 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).
Chissoe S.L., Genomics 27:67-82(1995).

Note: This product is for in vitro research use only