10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-c-Abl (Tyr-412), Phosphospecific Antibody

Catalog # AN1613

Product Information

Application	WB
Primary Accession	P00519
Host	Rabbit
Clonality	Rabbit Polyclonal
Isotype	IgG
Calculated MW	122873

Additional Information

Gene ID	25
Other Names	BCR-Abl, p150, Abelson murine leukemia viral oncogene homolog 1
Target/Specificity	The c-Abl proto-oncogene encodes a nonreceptor type protein tyrosine kinase that is widely expressed and is distributed in both the nucleus and the cytoplasm of cells. It has been implicated in regulation of cell proliferation, differentiation, apoptosis, cell adhesion, and stress response. A variety of stimuli activate c-Abl kinase including integrin activation, PDGF stimulation, and binding to proteins, such as c-Jun. Tyrosine phosphorylation is important for the regulation of c-Abl kinase activity. Tyrosine 245 is located in the linker region between the SH2 and catalytic domains. Phosphorylation of Tyr-245 is involved in activation of c-Abl kinase activity. Tyrosine 412 is located in the kinase activation loop of c-Abl, and phosphorylation of this residue is required for kinase activity. Thus, phosphorylation of Tyr-245 and Tyr-412 may be critical for activation of c-Abl in a variety of cell signaling pathways
Dilution	WB~~1:1000
Format	Antigen Affinity Purified
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Anti-c-Abl (Tyr-412), Phosphospecific Antibody is for research use only and not for use in diagnostic or therapeutic procedures.
Shipping	Blue Ice

Background

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.