

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human c-Abl in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human c-Abl Ala941-Val1140 Accession # NP_009297
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

c-Abl (Abelson murine leukemia viral homolog 1) is a cytosolic member of the ABL subfamily, protein tyrosine kinase family of enzymes. It is ubiquitously expressed, and participates in multiple processes such as cell migration, actin reorganization, DNA damage response and apoptosis. Human c-Abl (I-B) is 1149 amino acids (aa) in length. It is myristoylated on Gly2 and contains one SH3 domain (aa 80-140), an SH2 domain (aa 146-236), a protein kinase region (aa 261-512), three NLS's (aa 620-634; 726-739; 778-791), one DNA-binding region (aa 888-988), an NES motif (aa 1109-1119) and an actin F-binding domain (aa 1120-1149). There is one alternate splice form (I-A) that contains a 26 aa substitution for the N-terminal 45 amino acids. In chronic myelogenous leukemia, c-Abl is fused to the Bcr gene product, resulting in the production of a constitutively active tyrosine kinase.

PRODUCT SPECIFIC NOTICES

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