



## Affinity-Purified Rabbit Anti-phospho-ABL1 (Y276) Antibody

Specificity: Human phospho-ABL1 (Y276)	Size: 0.1 mg
Source: Rabbit	IgG Type: rabbit IgG

**Background:**

Regulates cytoskeleton remodeling during cell differentiation, cell division and cell adhesion. Localizes to dynamic actin structures, and phosphorylates CRK and CRKL, DOK1, and other proteins controlling cytoskeleton dynamics. Regulates DNA repair potentially by activating the proapoptotic pathway when the DNA damage is too severe to be repaired.

Other Name: Abelson murine leukemia viral oncogene homolog 1

**Specificity:**

Human: Positive

Application : For western blot analysis, an antibody concentration of 1 µg/ml is recommended

ELISA	Positive
Western blotting	Positive 1 mg/ml
Immunohistochemistry	Positive
Immunoprecipitation	Positive
Flow cytometry	Positive

Isotype: Rabbit IgG

Description: This antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding the phospho sites.

Storage: Upon reconstitution, maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C to -70°C. Lyophilized samples are stable for twelve months from the date of receipt when stored at -20°C to -70°C

Format: Purified rabbit monoclonal antibody supplied in PBS with 0.02% (W/V) sodium azide. This antibody is first purified by protein G affinity chromatography. Then, the antibody fraction is peptide affinity purified in a 2-step procedure with the control and phosphorylated peptides. The phospho-specific antibody is eluted with high and low salt and neutralized immediately, followed by dialysis against PBS.

Precautions: This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**References:**

1. [Forman-Kay J.D.](#); "Structure of a regulatory complex involving the Abl SH3 domain, the Crk SH2 domain, and a Crk-derived phosphopeptide."; [Proc. Natl. Acad. Sci. U.S.A. 99:14053-14058\(2002\).](#)
2. [Cowburn D.](#); "The solution structure of Abl SH3, and its relationship to SH2 in the SH(32) construct."; [Structure 3:1075-1086\(1995\).](#)
3. [Cowburn D.](#); "Secondary structure of Src homology 2 domain of c-Abl by heteronuclear NMR spectroscopy in solution."; [Proc. Natl. Acad. Sci. U.S.A. 89:11673-11677\(1992\).](#)