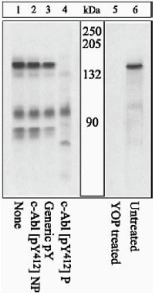


# Phospho-c-Abl (Tyr412) Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Human
Published Species	Tag, Hamster, Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	The antiserum was produced against a chemically synthesized phosphopeptide derived from a region of human c-Abl 1b that contains tyrosine 412. Note: there are two widely expressed forms of c-Abl produced by alternative splicing, designated 1b (the more common form) and 1a. The corresponding phosphorylation site from 1a is tyrosine 393.
Form	Liquid
Purification	Antigen affinity chromatography
Storage buffer	Dulbecco's PBS, pH 7.3, with 1mg/mL BSA
Contains	0.05% sodium azide
Storage conditions	-20°C
RRID	AB_2533617

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000	2 Publications

## Product Images For Phospho-c-Abl (Tyr412) Polyclonal Antibody



**Phospho-c-Abl (Tyr412) Antibody (44-252G) in WB**

Western blot analysis of Phospho-c-Abl (Tyr412) using a polyclonal antibody (Product # 44-252G).

Extracts of fibroblasts infected with oncogenic ΔSH3-Abl (1-4) or recombinant phosphorylated c-Abl (5, 6) were resolved by SDS-PAGE on a 10% Tris-glycine gel and transferred to PVDF. The membrane was either treated with YOP phosphatase (5) or left untreated (1-4, 6), blocked with a 5% BSA-TBST buffer overnight at 4°C, and then incubated with the c-Abl [pY412] antibody for two hours at room temperature in a 3% BSA-TBST buffer, following prior incubation with: no peptide (1, 5, 6), the non-phosphopeptide corresponding to the phosphopeptide immunogen (2), a generic phosphotyrosine-containing peptide (3), or the phosphopeptide immunogen (4). After washing, the membrane was incubated with goat F(ab)<sub>2</sub> anti-rabbit IgG alkaline phosphatase (cat.# ALI4405) and signals were detected using the Tropix WesternStar™ method.

The data show that only the phosphopeptide corresponding to c-Abl [pY412] blocks the antibody signal, demonstrating the specificity of the antibody. The data also show that phosphatase stripping eliminates the signal, further verifying that the antibody is phospho-specific.

Western Blot (2)

<p>The Journal of biological chemistry</p> <p><b>Src family kinases phosphorylate the Bcr-Abl SH3-SH2 region and modulate Bcr-Abl transforming activity.</b></p> <p>Authors: Meyn MA,Wilson MB,Abdi FA,Fahey N,Schiavone AP,Wu J,Hochrein JM,Engen JR,Smithgall TE</p>	<p>Year 2006</p> <p>Species Tag</p>
<p>The Journal of neuroscience : the official journal of the Society for Neuroscience</p> <p><b>Tyrosine 394 is phosphorylated in Alzheimer's paired helical filament tau and in fetal tau with c-Abl as the candidate tyrosine kinase.</b></p> <p>Authors: Derkinderen P,Scales TM,Hanger DP,Leung KY,Byers HL,Ward MA,Lenz C,Price C,Bird IN,Perera T,Kellie S,Williamson R,Noble W,Van Etten RA,Leroy K,Brion JP,Reynolds CH,Anderton BH</p>	<p>Year 2005</p> <p>Species Human Hamster</p>

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