

Product Data Sheet

Anti-ABL1/2 (pY393/439) Antibody

Catalog #	Source	Reactivity	Applications
CPA1004	Rabbit	H, M, R	WB, IH, IF/IC
Description	Rabbit polyclonal antibody to ABL1/2 (pY393/439)		
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human ABL1/2. The exact sequence is proprietary.		
Purification	The antibody was purified by immunogen affinity chromatography.		
Specificity	Recognizes endogenous levels of ABL1/2 (pY393/439) protein.		
Clonality	Polyclonal		
Form	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		
Dilution	WB (1/500 - 1/1000), IH (1/100 - 1/200), IF/IC (1/100 - 1/500)		
Gene Symbol	ABL1; ABL2		
Alternative Names	ABL1; ABL; JTK7; Tyrosine-protein kinase ABL1; Abelson murine leukemia viral oncogene homolog 1; Abelson tyrosine-protein kinase 1; Proto-oncogene c-Abl; p150; ABL2; ABLL; ARG; Abelson tyrosine-protein kinase 2; Abelson murine leukemia viral oncogene homolog 2; Abelson-related gene protein; Tyrosine-protein kinase ARG		
Entrez Gene	25, 27 (Human); 11350 (Mouse)		
SwissProt	P00519, P42684 (Human); P00520, Q4JIM5 (Mouse)		
Storage/Stability	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.		

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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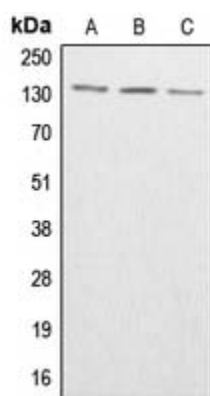
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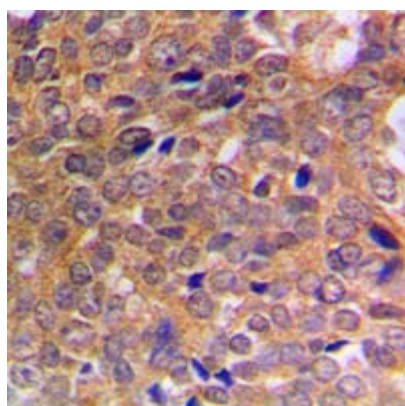
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Western blot analysis of ABL1/2 (pY393/439) expression in HeLa colchicine-treated (A), SP20 colchicine-treated (B), H9C2 colchicine-treated (C) whole cell lysates.



Immunohistochemical analysis of ABL1/2 (pY393/439) staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of ABL1/2 (pY393/439) staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

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