

c-Abl (phospho Tyr245) antibody

Cat. No. GTX24479

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Applications	WB, ICC/IF
Reactivity	Human

Package

50 µl

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	0.1-1 µg/ml
ICC/IF	1:250

Not tested in other applications.

Calculated MW 123 kDa. ([Note](#))

Product Note

This antibody is raised against human c-Abl (isoform b) phosphorylated at Tyr245. Based on sequence homology, it is predicted to react with c-Abl (isoform a) and ABL2 when phosphorylated at the corresponding residues - c-Abl (isoform a) Tyr226 or ABL2 Tyr272.

Properties

Form	Liquid
Buffer	PBS, 0.1% BSA
Preservative	0.05% Sodium azide
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
Concentration	Batch dependent (Please refer to the vial label for the specific concentration.)
Immunogen	synthesized phosphopeptide derived from a region of human c-Abl that contains tyrosine 245
Purification	Purified IgG
Conjugation	Unconjugated



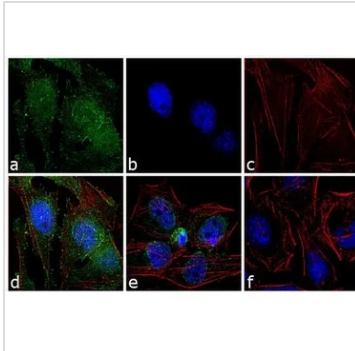
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Note

Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

DATA IMAGES

GTx24479 ICC/IF Image

ICC/IF analysis of HeLa cells treated with 4 uM Curcumin for 4hr using GTx24479 c-Abl (phospho Tyr245) antibody. Panel e shows the untreated cells with nuclear localization. Panel e shows the no primary antibody control.

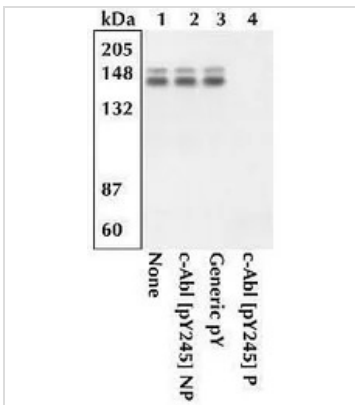
Green : Primary antibody

Blue : Nuclei

Red : Actin

Fixation : 4% paraformaldehyde

Permeabilization : 0.1% Triton X-100 for 10 minutes


GTx24479 WB Image

WB (peptide competition) analysis of fibroblasts transfected with oncogenic DSH3-Abl using GTx24479 c-Abl (phospho Tyr245) antibody with the non-phosphopeptide corresponding to the phosphopeptide immunogen (Lane 2), a generic phosphothreonine-containing peptide (Lane 3), or the phosphopeptide immunogen (Lane 4) control. The data show that only the immunogen phosphopeptide blocks the signal, demonstrating the specificity of the antibody.



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