Phospho-c-Abl (Tyr393) Recombinant Polyclonal Antibody (19HCLC)

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse, Rat
Host/Isotype	Rabbit / IgG
Expression system	Expi293
Class	Recombinant Polyclonal
Type	Antibody
Clone	19HCLC
Conjugate	Unconjugated
Immunogen	Peptide corresponding to Human ABL1 (aa 390-397)
Form	Liquid
Concentration	0.5 mg/mL
Purification	Protein A
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2632967

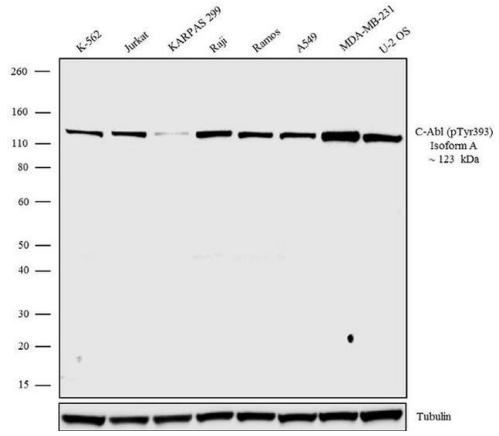
Applications	Tested Dilution	Publications
Western Blot (WB)	1-2 µg/mL	-
Immunocytochemistry (ICC/IF)	2 µg/mL	-
Flow Cytometry (Flow)	5 µg/1x10^6 cells	-

Product Specific Information

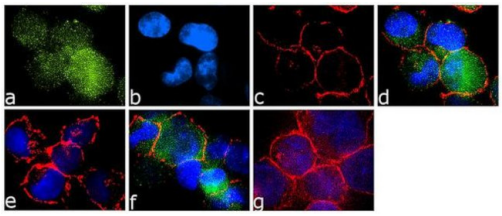
This antibody is predicted to react with Monkey, Pig and Mouse.

Recombinant rabbit polyclonal antibodies are unique offerings from Thermo Fisher Scientific. They are comprised of a selection of multiple different recombinant monoclonal antibodies, providing the best of both worlds - the sensitivity of polyclonal antibodies with the specificity of monoclonal antibodies - all delivered with the consistency only found in a recombinant antibody. While functionally the same as a polyclonal antibody - recognizing multiple epitope sites on the target and producing higher detection sensitivity for low abundance targets - a recombinant rabbit polyclonal antibody has a known mixture of light and heavy chains. The exact population can be produced in every lot, circumventing the biological variability typically associated with polyclonal antibody production.

Product Images For Phospho-c-Abl (Tyr393) Recombinant Polyclonal Antibody (19HCLC)



Phospho-c-Abl (Tyr393) Antibody (711366) in WB
Western blot analysis was performed on whole cell extracts (30 µg lysate) of K562 (Lane 1), Jurkat (Lane 2), KARPAS 299 (Lane 3), Raji (Lane 4), Ramos (Lane 5), A549 (Lane 6), MDA-MB-231 (Lane 7) and U-2 OS (Lane 8). The blots were probed with Anti-CAbl (pY393) Isoform A Recombinant Rabbit Polyclonal Antibody (Product # 711366, 1-2 µg/mL) and detected by chemiluminescence using Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Secondary Antibody, HRP conjugate (Product # A27036, 0.4 µg/mL, 1:2500 dilution). A 123 kDa band corresponding to CAbl (pY393) Isoform A was observed across cell lines tested. Known quantity of protein samples were electrophoresed using Novex® NuPAGE® 4-12% Bis-Tris gel (Product # NP0321BOX), XCell SureLock™ Electrophoresis System (Product # EI0002) and Novex® Sharp Pre-Stained Protein Standard (Product # LC5800). Resolved proteins were then transferred onto a nitrocellulose membrane with overnight wet transfer System. The membrane was probed with the relevant primary and secondary Antibody following blocking with 5% skimmed milk. Chemiluminescent detection was performed using Pierce™ ECL Western blotting Substrate (Product # 32106).



Phospho-c-Abl (Tyr393) Antibody (711366) in ICC/IF
For immunofluorescence analysis K-562 cells were fixed and permeabilized for detection of endogenous CAbl pY393 Isoform A using Anti-CAbl pY393 Isoform A Recombinant Rabbit Polyclonal Antibody (Product # 711366, 2 µg/mL) and labeled with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Secondary Antibody, Alexa Fluor® 488 conjugate (Product # A27034, 1:2000). Panel a) shows representative cells that were stained for detection and localization of CAbl pY393 protein (green), Panel b) is stained for nuclei (blue) using SlowFade® Gold Antifade Mountant with DAPI (Product # S36938). Panel c) represents cytoskeletal F-actin staining using Rhodamine Phalloidin (Product # R415, 1:300). Panel d) is a composite image of Panels a, b and c clearly demonstrating cytoplasmic localization of CAbl pY393. Panel e) shows loss of signal by competition with the CAblpY393 peptide demonstrating antibody specificity, and panel f) demonstrates no competition with the non-phospho peptide. Panel g) shows untreated cells with no signal. The images were captured at 60X magnification.