

## Product datasheet

# Anti-SRC Family (phospho Y418) antibody [EP503Y] (Alexa Fluor® 647) ab201860

Recombinant RabMAb

1 References 2 Images

### Overview

<b>Product name</b>	Anti-SRC Family (phospho Y418) antibody [EP503Y] (Alexa Fluor® 647)
<b>Description</b>	Rabbit monoclonal [EP503Y] to SRC Family (phospho Y418) (Alexa Fluor® 647)
<b>Host species</b>	Rabbit
<b>Conjugation</b>	Alexa Fluor® 647. Ex: 652nm, Em: 668nm
<b>Tested applications</b>	<b>Suitable for:</b> ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse 
<b>Immunogen</b>	Synthetic peptide within Human SRC Family aa 350-450 (phospho Y418). The exact sequence is proprietary. Database link: <a href="#">P07948</a>
<b>Positive control</b>	ICC/IF: HeLa cells +/- pervanadate (Non-treated: serum-starved for 16h at 37°C; Treated: serum-starved for 16h, then incubated with pervanadate 1mM for 30min at 37°C).
<b>General notes</b>	This protein is known to be similar in amino acid sequence to HCK (P08631), LCK (P06239), FYN (P06241), YES1 (P07947), and SRC (P12931). Therefore, cross-reactivity with these homologous proteins may be observed. We would be happy to provide immunogen alignment information upon request.

Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb® patents](#).

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## Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Stable for 12 months at -20°C. Store In the Dark.
<b>Storage buffer</b>	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: 30% Glycerol, 1% BSA, PBS
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EP503Y
<b>Isotype</b>	IgG

## Applications

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Our [Abpromise guarantee](#) covers the use of **ab201860** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abbreviations	Notes
ICC/IF		1/250.

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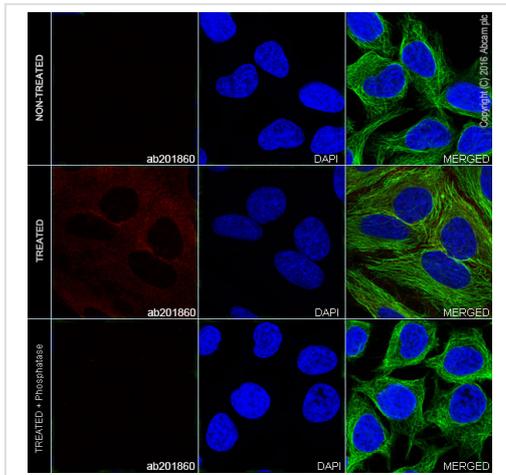
## Target

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<b>Relevance</b>	SRC Family Negative Regulatory Phosphorylation Site belongs to the protein kinase superfamily, Tyr protein kinase family, SRC subfamily. It contains one protein kinase domain, one SH2 domain and one SH3 domain. It may serve as part of a signaling pathway coupling the Fc receptor to the activation of the respiratory burst and may also contribute to neutrophil migration and may regulate the degranulation process of neutrophils. SRC Family Negative Regulatory Phosphorylation Site is expressed predominantly in cells of the myeloid and B lymphoid lineages. There are two named isoforms.
<b>Cellular localization</b>	Isoform 1: Membrane; Lipid anchor. Isoform 2: Membrane; Lipid anchor. Cytoplasm.

## Images

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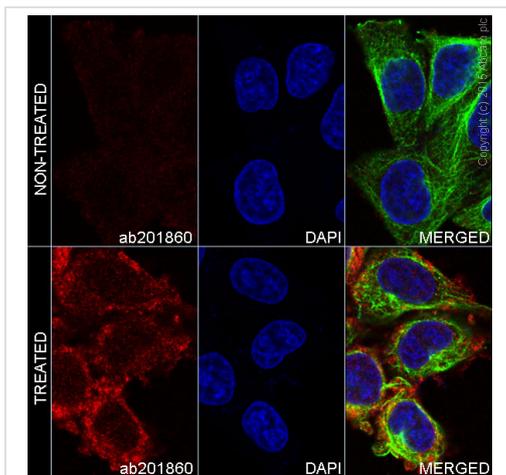


Immunocytochemistry/ Immunofluorescence - Anti-SRC Family (phospho Y418) antibody [EP503Y] (Alexa Fluor® 647) (ab201860)

ab201860 staining SRC Family (phospho Y418) in HeLa cells +/- pervanadate (1mM, 15min), then treated with LP (31 degrees C, 2 hours). The cells were fixed with 4% formaldehyde (10 min), permeabilized with 0.1% Triton X-100 for 5 minutes and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween for 1h.

The cells were then incubated overnight at +4°C with ab201860 at 1/100 dilution (shown in red) and ab195887, Mouse monoclonal to alpha Tubulin (Alexa Fluor® 488), at 1/250 dilution (shown in green). Nuclear DNA was labelled with DAPI (shown in blue).

Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).



Immunocytochemistry/ Immunofluorescence - Anti-SRC Family (phospho Y418) antibody [EP503Y] (Alexa Fluor® 647) (ab201860)

ab201860 staining Lyn (phospho Y396) in HeLa cells +/- pervanadate (Non-treated: serum-starved for 16h at 37°C; Treated: serum-starved for 16h, then incubated with pervanadate 1mM for 30min at 37°C). The cells were fixed with 4% formaldehyde (10 min), permeabilized with 0.1% triton X-100 for 5 minutes and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween for 1h. The cells were then incubated overnight at +4°C with ab201860 at 1/250 dilution (shown in red) and ab195887, Mouse monoclonal to alpha Tubulin (Alexa Fluor® 488) at 1/200 dilution (shown in green). Nuclear DNA was labelled with DAPI (shown in blue).

Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).

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