


Product datasheet

PE Anti-SRC Family (phospho Y418) antibody [EP503Y] ab208828

Recombinant RabMAb

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Overview

Product name	PE Anti-SRC Family (phospho Y418) antibody [EP503Y]
Description	PE Rabbit monoclonal [EP503Y] to SRC Family (phospho Y418)
Host species	Rabbit
Conjugation	PE. Ex: 488nm, Em: 575nm
Specificity	ab208828 recognises Lyn phosphorylation on Tyrosine 396. BLAST analysis show 100% homology with Hck (pY410) and Lck (pY393), and 92% homology with Src (pY418), Fyn (pY419) and Yes (pY425) Therefore, the antibody may cross-react with these proteins.
Tested applications	Suitable for: ICC/IF
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	ICC/IF: pervanadate-treated HeLa cells
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot. Store at +4°C. Do Not Freeze. Store In the Dark.
Storage buffer	pH: 7.4 Preservative: 0.02% Sodium azide Constituents: PBS, 1% BSA

Purity	Protein A purified
Clonality	Monoclonal
Clone number	EP503Y
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab208828 in the following tested applications.

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

Application	Abreviews	Notes
ICC/IF		1/100. This product gave a positive signal in pervanadate-treated HeLa cells fixed with 4% formaldehyde (10 min)

Target

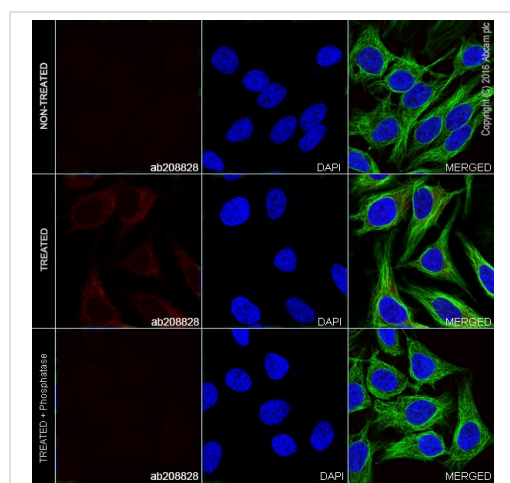
Relevance

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.

Cellular localization

Isoform 1: Membrane; Lipid anchor. Isoform 2: Membrane; Lipid anchor. Cytoplasm.

Images



Immunocytochemistry/ Immunofluorescence - PE
Anti-SRC Family (phospho Y418) antibody
[EP503Y] (ab208828)

ab208828 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 ab208828 at 1/100 dilution (**pseudocolored 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).

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

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Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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