

#### DESCRIPTION

|                           |                                                                                                                                                                                                         |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species Reactivity</b> | Human/Mouse/Rat                                                                                                                                                                                         |
| <b>Specificity</b>        | Detects endogenous human, mouse, and rat Src in Western blots.                                                                                                                                          |
| <b>Source</b>             | Polyclonal Goat IgG                                                                                                                                                                                     |
| <b>Purification</b>       | Antigen Affinity-purified                                                                                                                                                                               |
| <b>Immunogen</b>          | <i>E. coli</i> -derived recombinant human Src<br>Met1-Ala79<br>Accession # P12931                                                                                                                       |
| <b>Conjugate</b>          | Alexa Fluor 488<br>Excitation Wavelength: 488 nm<br>Emission Wavelength: 515-545 nm                                                                                                                     |
| <b>Formulation</b>        | Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide                                                                                                                                            |
|                           | *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions. |

#### APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

|                             |                                                                        |
|-----------------------------|------------------------------------------------------------------------|
| <b>Western Blot</b>         | Optimal dilution of this antibody should be experimentally determined. |
| <b>Immunohistochemistry</b> | Optimal dilution of this antibody should be experimentally determined. |

#### PREPARATION AND STORAGE

|                                |                                                                                                                   |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Shipping</b>                | The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below. |
| <b>Stability &amp; Storage</b> | Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied                          |

#### BACKGROUND

The Src family of proteins are intracellular tyrosine kinases involved in cell proliferation, differentiation, motility, and survival. Src family activity is regulated by tyrosine phosphorylation at two sites with opposing effects. Autophosphorylation in the activation loop of the kinase domain (Y419 of human Src) up-regulates the enzyme, while phosphorylation in the C-terminal tail (Y530 of human Src) down-regulates activity.

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