

---

**Product Name: KD-Validated Phospho-Src (Y419) Recombinant Rabbit Monoclonal Antibody****Catalog #: KVA01314**

For research use only.

**Summary**

|                     |                                                                             |
|---------------------|-----------------------------------------------------------------------------|
| <b>Description</b>  | KO&KD-Validated antibody                                                    |
| <b>Host</b>         | Rabbit                                                                      |
| <b>Application</b>  | WB,FCM                                                                      |
| <b>Reactivity</b>   | Human,Mouse,Rat                                                             |
| <b>Conjugation</b>  | Unconjugated                                                                |
| <b>Modification</b> | Unmodified                                                                  |
| <b>Isotype</b>      | Rabbit IgG                                                                  |
| <b>Clonality</b>    | Rabbit mAb                                                                  |
| <b>Form</b>         | Liquid                                                                      |
| <b>Storage</b>      | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles. |
| <b>Shipping</b>     | Ice bags                                                                    |
| <b>Buffer</b>       | Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.   |
| <b>Purification</b> | Affinity purification                                                       |

**Application**

|                         |                                      |
|-------------------------|--------------------------------------|
| <b>Dilution Ratio</b>   | WB 1:1,000-1:5,000; FC 1:200-1:2,000 |
| <b>Molecular Weight</b> | Calculated MW: 59.8kDa               |

**Antigen Information**

|                          |                                                                                                                                                                                                                                                                                                                                                                |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>         | SRC                                                                                                                                                                                                                                                                                                                                                            |
| <b>Alternative Names</b> | SRC; SRC Proto-Oncogene, Non-Receptor Tyrosine Kinase; SRC1; ASV; V-Src Avian Sarcoma (Schmidt-Ruppin A-2) Viral Oncogene Homolog; Proto-Oncogene Tyrosine-Protein Kinase Src; Proto-Oncogene C-Src; EC 2.7.10.2; P60-Src; C-SRC; Protooncogene SRC, Rous Sarcoma; Tyrosine-Protein Kinase SRC-1; Tyrosine Kinase Pp60c-Src; Pp60c-Src; EC 2.7.10; C-Src; THC6 |
| <b>Gene ID</b>           | 6714.0                                                                                                                                                                                                                                                                                                                                                         |
| <b>SwissProt ID</b>      | P12931                                                                                                                                                                                                                                                                                                                                                         |
| <b>Immunogen</b>         | A synthesized peptide derived from human Phospho-Src (Y419)                                                                                                                                                                                                                                                                                                    |

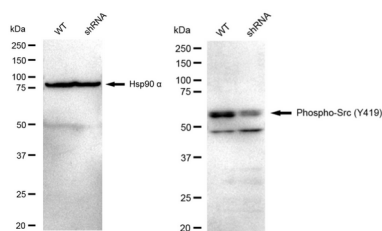
**Background**

This gene is highly similar to the v-src gene of Rous sarcoma virus. This proto-oncogene may play a role in the regulation of embryonic development and cell growth. The protein encoded by this gene is a tyrosine-protein kinase whose activity can be inhibited by phosphorylation by c-SRC kinase. Mutations in this gene could be involved in the malignant progression of colon cancer. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008]

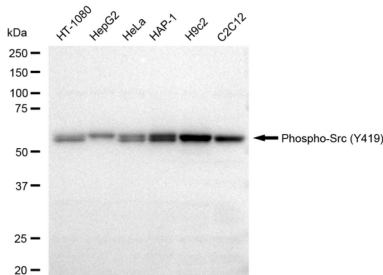
## Research Area

Signal Transduction, Epigenetics and Nuclear Signaling, Cancer, Neuroscience

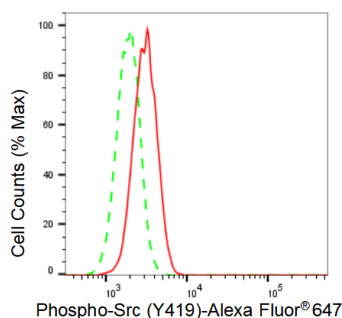
## Image Data



Western blotting analysis using Phospho-Src (Y419) antibody (KVA01314). Phospho-Src (Y419) expression in wild type (WT) and Phospho-Src (Y419) shRNA knockdown (KD) HT-1080 cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with Phospho-Src (Y419) antibody (KVA01314, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using Phospho-Src (Y419) antibody (KVA01314). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with Phospho-Src (Y419) antibody (KVA01314, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Flow cytometric analysis of Phospho-Src (Y419) expression in H9c2 cells using Phospho-Src (Y419) antibody (KVA01314, 1:2,000). Green, isotype control; red, Phospho-Src (Y419).