

Product Name: KD-Validated Phospho-Src (Y529) Recombinant Rabbit Monoclonal Antibody

Catalog #: KVA01022

For research use only.

Summary

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

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 59.8kDa

Antigen Information

Gene Name	SRC
Alternative Names	SRC; SRC Proto-Oncogene, Non-Receptor Tyrosine Kinase; C-Src; 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; Protooncogene SRC, Rous Sarcoma; Tyrosine-Protein Kinase SRC-1; Tyrosine Kinase Pp60c-Src; Pp60c-Src; EC 2.7.10; THC6
Gene ID	6714.0
SwissProt ID	P12931
Immunogen	A synthesized peptide derived from human Phospho-Src (Y529)

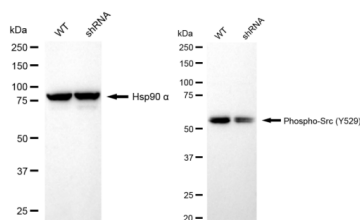
Background

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]

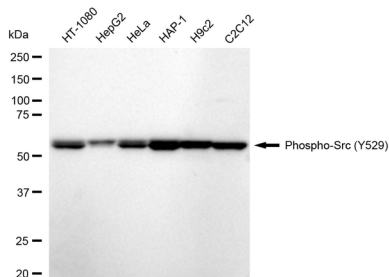
Research Area

Signal Transduction, Epigenetics and Nuclear Signaling, Cancer, Neuroscience

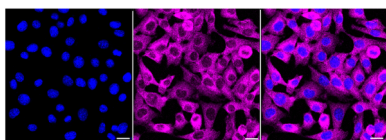
Image Data



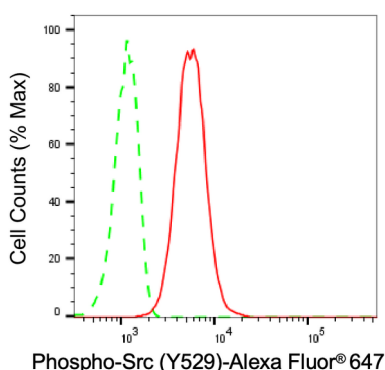
Western blotting analysis using Phospho-Src (Y529) antibody (KVA01022). Phospho-Src (Y529) expression in wild type (WT) and Phospho-Src (Y529) shRNA knockdown (KD) HT-1080 cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with Phospho-Src (Y529) antibody (KVA01022, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using Phospho-Src (Y529) antibody (KVA01022). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with Phospho-Src (Y529) antibody (KVA01022, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with Phospho-Src (Y529) antibody (KVA01022, 1:1,000). Nuclei were stained blue with DAPI; Phospho-Src (Y529) was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 µm.



Flow cytometric analysis of Phospho-Src (Y529) expression in C2C12 cells using Phospho-Src (Y529) antibody (KVA01022, 1:2,000). Green, isotype control; red, Phospho-Src (Y529).