

## Basic Information

Product Name	Anti-SRC Antibody	
Gene Name	SRC	
Source	Rabbit	
Isotype	IgG	
Species Reactivity	human	
Tested Application	WB, IHC, FCM	
Contents	500 ug/ml antibody with PBS , 0.02% Na <sub>3</sub> N , 1 mg BSA and 50% glycerol.	
Immunogen	E.coli-derived human Src recombinant protein (Position: G2-D368). Human Src shares 97% and 99% amino acid (aa) sequence identity with mouse and rat Src, respectively.	
concentration	500 ug/ml	
Purification	Immunogen affinity purified.	
Observed MW	60KD	
Dilution Ratios	Western blot(WB): 1:500-2000 Flow Cytometry (FCM): 1-3 µg/1x10 <sup>6</sup> cells Immunohistochemistry in paraffin section (IHC): 1:50-400 (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.	

## Storage

12 months from date of receipt, -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.

## Background Information

Sarcoma (Scr) is a proto-oncogenic tyrosine kinase originally discovered by J. Michael Bishop and Harold E. Varmus. belongs to a family of non-receptor tyrosine kinases called Src family kinases. The human SRC protooncogene was assigned to chromosome 20. Its gene is mapped to 20q12-q13. The discovery of Src family proteins has been instrumental to the modern understanding of cancer as a disease where normally healthy cellular signalling has gone awry. This proto-oncogene may play a role in the regulation of embryonic development and cell growth.

## Reference

Anti-SRC Antibody被引用在2文献中。

## Selected Validation Data

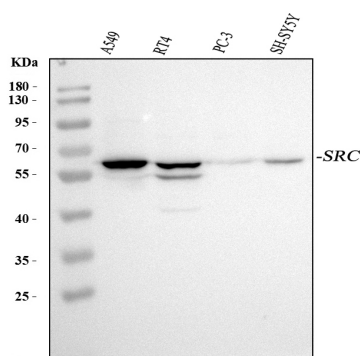


Figure 1. Western blot analysis of anti- SRC antibody (PB9059). The sample well of each lane was loaded with 50ug of sample under reducing conditions.

Lane 1: A549 whole cell lysates,

Lane 2: RT4 whole cell lysates,

Lane 3: PC-3 whole cell lysates,

Lane 4: SH-SY5Y whole cell lysates.

Use rabbit anti- SRC 1:1000, probed with a goat anti-rabbit IgG-HRP secondary antibody. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002). A specific band was detected for SRC at approximately 60KD. The expected band size for SRC is at 60KD.

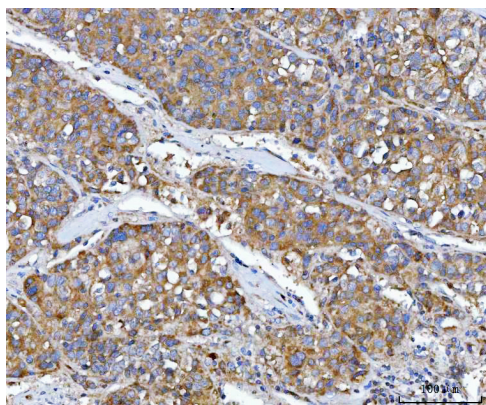


Figure 2. IHC analysis using anti- SRC antibody (PB9059). detected in paraffin-embedded section of human liver cancer tissue.

Biotinylated goat anti-rabbit IgG was used as secondary antibody.

The tissue section was developed using Streptavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB as the chromogen.

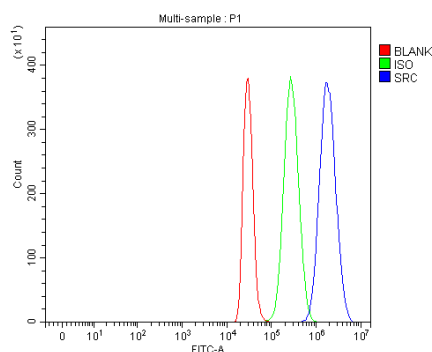


Figure 4. Flow cytometry analysis of HepG2 cell (1x10<sup>6</sup>) DyLight 488 conjugated goat anti- rabbit IgG(blue) was used as secondary antibody. Isotype control antibody (Green line) was rabbit IgG DyLight 488. Unlabelled sample (Red line).