

ABfinity™ SRC Recombinant Rabbit Oligoclonal Antibody

Store at 2°C to 8°C (short-term), or -20°C (long-term)

Catalog Number 710449

Pub. No. MAN0007779 Rev. 1.00

Clonality: Oligoclonal	Quantity: 100 µg	Volume: 200 µL	Concentration: 0.5 mg/mL
Host/Class: Rabbit IgG	Reactivity: Human	Predicted Reactivity: Human SRC	

Product description

Src is a non-receptor tyrosine kinase that associates with the cytoplasmic region of various cell surface receptors to facilitate signal transduction. Src is involved in cytoskeletal organization, cell cycle regulation, and apoptosis. In humans, the gene encoding Src is present on chromosome 20.

Product specifications

Immunogen:	Peptide corresponding to amino acids 30–45 of human SRC
Alternate Names:	Proto-oncogene tyrosine-protein kinase Src, Src1
Apparent MW:	~59 kDa
Gene ID:	6714
Protein Accession No.:	P12931
Sequence Identity:	Human
Isotype:	IgG
Lot:	See product label

Product applications

Application	Species	Test Material	Concentration
Western blotting	Human	A431; NIH3T3; HepG2; Jurkat; HEK293; U2OS; MCF7 cells	1–2 µg/mL
Indirect ELISA	Human	Peptide	1.5 × 10 ⁻⁴ to 3 µg/mL
Immunocytochemistry	Human	HeLa cells	1–2 µg/mL

Storage and handling

Store the antibody at 2°C to 8°C for up to 1 month, or -20°C for long storage. Avoid repeated freezing and thawing.

Stability

When stored as instructed, expires one year from date of receipt unless otherwise indicated on product label.

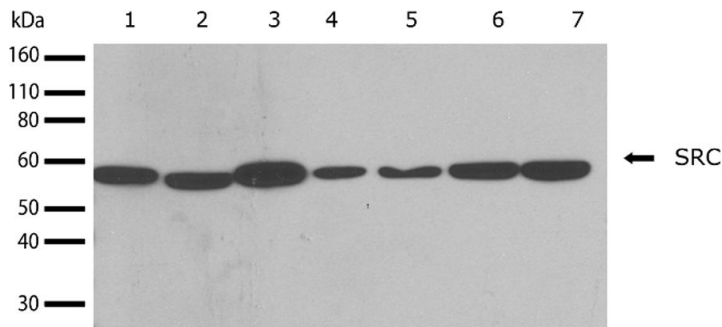


Figure 1 Western blot analysis of ABfinity™ SRC Recombinant Rabbit Oligoclonal Antibody (Cat. no. 710449).

Western blot analysis was performed on whole cell extracts from A431, NIH3T3, HepG2, Jurkat, HEK293, U2OS, and MCF7 (lanes 1–7 respectively). Endogenous level of SRC was detected at ~59 kDa using ABfinity™ SRC Recombinant Rabbit Oligoclonal Antibody at a concentration of 1 µg/mL, followed by Goat Anti-Rabbit HRP (Cat. no. G21234) as a secondary antibody. The blot was developed using enhanced chemiluminescence (ECL) method.

Storage Buffer

Phosphate buffered saline (PBS) with 0.09% sodium azide.



CAUTION! Sodium azide is extremely toxic and may react with lead and copper plumbing to form highly explosive metal azides. Properly dispose of solutions containing sodium azide. Read the Safety Data Sheet (SDS) and follow the handling instructions. Wear appropriate protective eyewear, clothing and gloves. SDSs are available at www.lifetechnologies.com/support.

Product Documentation

To obtain a Certificate of Analysis or Safety Data Sheet (SDS), visit <http://www.lifetechnologies.com/support>.

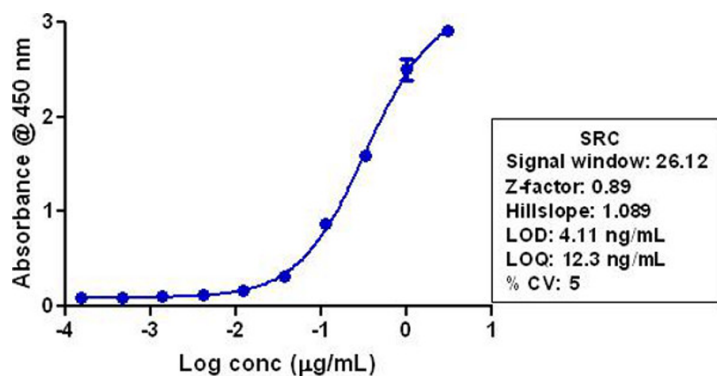


Figure 2 Indirect ELISA of ABfinity™ SRC Recombinant Rabbit Oligoclonal Antibody (Cat. no. 710449).

Indirect ELISA was performed to detect various dilutions of ABfinity™ SRC Recombinant Rabbit Oligoclonal Antibody, followed by Goat Anti-Rabbit HRP (Cat. no. G21234) to detect SRC peptide coated onto the plate. A non-linear regression analysis was performed (4 PL), LOD, and LOQ for the antibody was determined.

Limited product warranty

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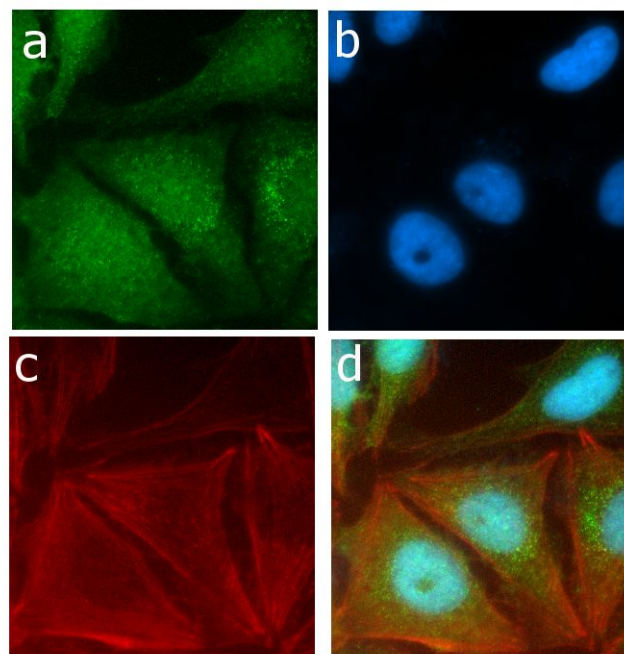


Figure 3 Immunocytochemistry analysis of ABfinity™ SRC Recombinant Rabbit Oligoclonal Antibody (Cat. no. 710449).

Immunocytochemistry analysis of HeLa cells stained with ABfinity™ SRC Recombinant Rabbit Oligoclonal Antibody using a: Alexa Fluor® 488 goat anti-rabbit as a secondary antibody (green). b: DAPI stained HeLa nuclei (blue). c: Actin stained with Alexa Fluor® 594 phalloidin (red). d: Composite image of cells showing cytoplasmic and nuclear localization of SRC.

Explanation of Symbols

Symbol	Description	Symbol	Description	Symbol	Description
	Manufacturer		Catalog number		Batch code
	Use by		Temperature limitation		
	Consult instructions for use		Caution, consult accompanying documents		

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