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# anti-Src antibody





**Publications** 



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Overview	
Quantity:	400 μL
Target:	Src
Reactivity:	Human, Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Src antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)
Product Details	
Immunogen:	This Src antibody is generated from mouse immunized with a recombinant protein of full length
	human SRC.
Clone:	17AT28
Isotype:	IgG1
Purification:	This antibody is purified through a protein G column, followed by dialysis against PBS.
Target Details	
Target:	Src
Alternative Name:	Src (Src Products)
Target Type:	Viral Protein
Background:	This gene is highly similar to the v-src gene of Rous sarcoma virus. This proto-oncogene may

## **Target Details**

	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.
Molecular Weight:	59835
Gene ID:	6714
NCBI Accession:	NP_005408, NP_938033
UniProt:	P12931
Pathways:	JAK-STAT Signaling, Neurotrophin Signaling Pathway, Intracellular Steroid Hormone Receptor
	Signaling Pathway, Regulation of Intracellular Steroid Hormone Receptor Signaling, Cellular
	Response to Molecule of Bacterial Origin, Cell-Cell Junction Organization, Regulation of
	Carbohydrate Metabolic Process, Autophagy, CXCR4-mediated Signaling Events, Signaling
	Events mediated by VEGFR1 and VEGFR2, Smooth Muscle Cell Migration, Negative Regulation
	of intrinsic apoptotic Signaling, Platelet-derived growth Factor Receptor Signaling,

## **Application Details**

Signaling

Application Notes:	IF: 1:10~50. WB: 1:500. WB: 1:2000. WB: 1:100~500. WB: 1:100~500. WB: 1:1000
Restrictions:	For Research Use only

Thromboxane A2 Receptor Signaling, Signaling of Hepatocyte Growth Factor Receptor, VEGF

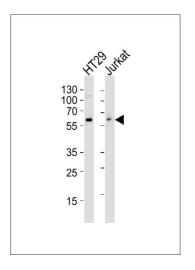
## Handling

Format:	Liquid
Buffer:	Purified monoclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in smal aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

Product cited in:

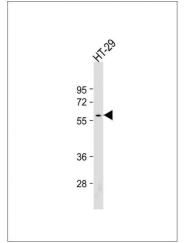
Wang, Liu, Zhao, Song, Wang, Wang, Sun: "Phosphorylation of CDK2 on threonine 160 influences silencing of sex chromosome during male meiosis." in: **Biology of reproduction**, Vol. 90, Issue 6, pp. 138, (2014) (PubMed).

## **Images**



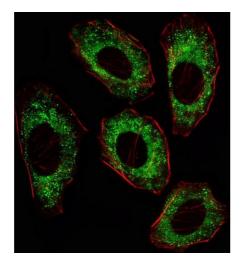
### **Western Blotting**

Image 1. Western blot analysis of lysates from HT29, Jurkat cell line (from left to right), using SRC Antibody (ABIN387822 and ABIN2843908). (ABIN387822 and ABIN2843908) was diluted at 1:1000 at each lane. A goat anti-mouse IgG H&L(HRP) at 1:3000 dilution was used as the secondary antibody. Lysates at 35 µg per lane.



### **Western Blotting**

**Image 2.** Anti-SRC Antibody at 1:500 dilution + HT-29 whole cell lysate Lysates/proteins at 20 μg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 60 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.



#### **Immunofluorescence**

Image 3. Fluorescent image of A549 cell stained with SRC Antibody (ABIN387822 and ABIN2843908)/SD41014A. A549 cells were fixed with 4 % PFA (20 min), permeabilized with Triton X-100 (0.1 %, 10 min), then incubated with SRC primary antibody (1:25, 1 h at 37 °C. For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-mouse antibody (green) was used (1:400, 50 min at 37 °C.Cytoplasmic actin was counterstained with Alexa Fluor® 555 (red) conjugated

Phalloidin (7 units/mL, 1 h at 37 °C.SRC immunoreactivity is localized to Cytoplasm significantly.

Please check the product details page for more images. Overall 6 images are available for ABIN387822.