

# SRC1 Polyclonal Antibody

Product Details	
Size	100 µg
Species Reactivity	Avian, Human, Mouse
Published Species	Avian, Rat, Amphibian, Human, Mouse, Chicken
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide corresponding to residues S(8) S D P A N P D S H K R K G S P C(24) of human SRC-1.
Form	Liquid
Concentration	1 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS with 1mg/mL BSA
Contains	0.05% sodium azide
Storage conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_2251288

Applications	Tested Dilution	Publications
Western Blot (WB)	1 µg/mL	8 Publications
Immunohistochemistry (IHC)	-	4 Publications
Immunohistochemistry (Frozen) (IHC (F))	1 µg/mL	-
Immunocytochemistry (ICC/IF)	1-2 µg/mL	-
Immunoprecipitation (IP)	-	1 Publication
ChIP assay (ChIP)	-	1 Publication

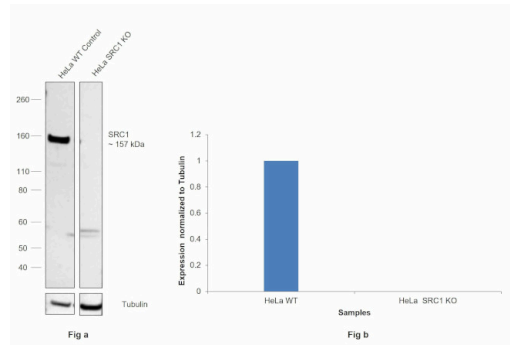
## Product Specific Information

PA1-840 detects steroid receptor coactivator-1 (SRC-1) from human, mouse, and japaneese quail tissues and cells.

PA1-840 has been successfully used in Western blot, immunocytochemistry and immunohistochemistry procedures. By Western blot, this antibody detects an ~165 kDa protein representing SRC-1 and a smaller, unknown protein at ~40 kDa from HeLa cell lysate. Immunocytochemical staining of SRC-1 in HeLa cells with PA1-840 results in nuclear staining.

The PA1-840 immunogen is a synthetic peptide corresponding to residues S(8) S D P A N P D S H K R K G S P C(24) of human SRC-1. This immunizing peptide (Cat. # PEP-044) is available for use in neutralization and control experiments.

Product Images For SRC1 Polyclonal Antibody



SRC1 Antibody (PA1-840)

Antibody specificity was demonstrated by CRISPR-Cas9 mediated knockout of target protein. A loss of signal was observed for target protein in SRC1 KO cell line compared to control cell line using SRC1 Polyclonal Antibody (Product # PA1-840). {KO}

SRC1 Antibody (PA1-840) in ICC/IF

Immunofluorescence analysis of SRC1 was done on 70% confluent log phase A549 cells. The cells were fixed with 4% paraformaldehyde for 15 minutes, permeabilized with 0.25% Triton™ X-100 for 10 minutes, and blocked with 5% BSA for 1 hour at room temperature. The cells were labeled with SRC1 Rabbit Polyclonal Antibody (Product # PA1-840) at 1 µg/mL in 1% BSA and incubated for 3 hours at room temperature and then labeled with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Secondary Antibody, Alexa Fluor® 488 conjugate (Product # A27034) at a dilution of 1:2000 for 45 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with SlowFade® Gold Antifade Mountant with DAPI (Product # S36938). F-actin (Panel c: red) was stained with Alexa Fluor® 555 Rhodamine Phalloidin (Product # R415, 1:300). Panel d is a merged image showing Nuclear localization. Panel e is a no primary antibody control. The images were captured at 60X magnification.

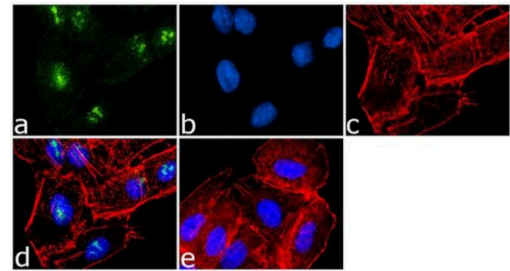
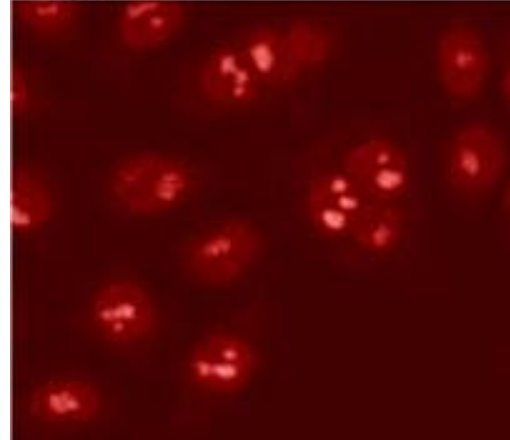


Fig. 1



SRC1 Antibody (PA1-840) in ICC/IF

Immunolocalization of SRC-1 in HeLa cells using Product # PA1-840.

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## Western Blot (8)

General and comparative endocrinology

### Seasonal and sexual dimorphisms in expression of androgen receptor and its coactivators in brain and peripheral copulatory tissues of the green anole.

"PA1-840 was used in western blot to study the role of the androgen receptor and its co-activators in regulating the seasonal breeding of the green anole lizzard"

Authors: Kerver HN,Wade J

Year  
2013

Species  
Amphibian

Dilution  
2 µg/mL

Molecular endocrinology (Baltimore, Md.)

### Research resource: identification of novel coregulators specific for thyroid hormone receptor-2.

"PA1-840 was used in Western Blotting to identify a series of previously unrecognized proteins that selectively interact with thyroid hormone receptor2, compared with the more widely expressed TR1."

Authors: Hahm JB,Privalsky ML

Year  
2013

Species  
Human

[View more WB references on thermofisher.com](#)

## Immunohistochemistry (4)

General and comparative endocrinology

### Distribution and sexually dimorphic expression of steroid receptor coactivator-1 (SRC-1) in the zebra finch brain.

"PA1-840 was used in immunohistochemistry to identify the effect of steroid hormone levels on SRC-1 expression"

Authors: Duncan KA,Jimenez P,Carruth LL

Year  
2011

Species  
Avian

Dilution  
1:1000

The Prostate

### Screening of genetic and expression alterations of SRC1 gene in prostate cancer.

"PA1-840 was used in immunohistochemistry to investigate SRC1 mutations in prostate cancer"

Authors: Mäki HE,Waltering KK,Wallén MJ,Martikainen PM,Tammela TL,van Weerden WM,Vessella RL,Visakorpi T

Year  
2006

Species  
Human

Dilution  
1:200

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## More applications with references on thermofisher.com

IP (1)    ChIP (1)

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