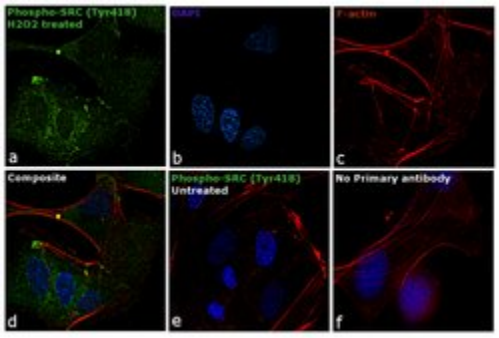
Phospho-SRC (Tyr419) Polyclonal Antibody, Alexa Fluor 488

Product Details	
Size	100 µL
Species	Dog, Chicken, Human, Mouse
Published Species	Human, Mouse
Expression System	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Alexa Fluor® 488
Immunogen	This antibody was produced against a chemically synthesized phosphopeptide derived from the region of Src that contains tyrosine 419. The antibody was affinity purified by sequential epitope-specific chromatography, then conjugated to Alexa FluorÒ 488 under optimal conditions.
Form	Liquid
Purification	purified
Storage buffer	Dulbecco's PBS, pH 7.3, with 0.2mg/mL BSA
Contains	0.05% sodium azide
Storage Conditions	-20°C
RRID	AB_2533713

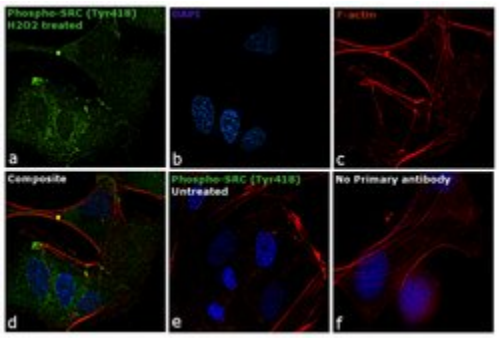
Applications	Tested Dilution	Publications
Immunocytochemistry (ICC)	1:250	1 Publication
Immunofluorescence (IF)	1:250	1 Publication
Western Blot (WB)	-	4 Publications

Advanced Verification Data



Phospho-SRC (Tyr419) Antibody (44-660A1)
Altered expression of target protein upon cell treatment demonstrates antibody specificity. Immunofluorescence analysis of Phospho-SRC (Tyr419) using Phospho-SRC (Tyr418) Polyclonal Antibody, Alexa Fluor 488 (Product # 44-660A1) shows increased expression of proteins in MDCK cell line upon treatment with H2O2. Cell treatment validation info.

Product Images For Phospho-SRC (Tyr419) Polyclonal Antibody, Alexa Fluor 488



Phospho-SRC (Tyr419) Antibody (44-660A1) in IF
Immunofluorescence analysis of Phospho-SRC (Tyr419) was performed using 70% confluent log phase MDCK cells treated with H2O2 (1mM for 10min). The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 15 minutes, and blocked with 1% BSA for 1 hour at room temperature. The cells were labeled with Phospho-SRC (Tyr419) Polyclonal Antibody, Alexa Fluor 488 (Product # 44-660A1) at 1:250 dilution in 0.1% BSA, incubated at 4 degree celsius overnight (Panel a: green). Nuclei (Panel b: blue) were stained with ProLong™ Diamond Antifade Mountant with DAPI (Product # P36962). F-actin (Panel c: red) was stained with Rhodamine Phalloidin (Product # R415, 1:300). Panel d represents the merged image showing staining in focal adhesion as well as cytoplasmic upon H2O2 treatment. Panel e represents the control cells showing no signal. Panel f represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.

View more figures on thermofisher.com

6 References

Immunocytochemistry (1)

Nature communications

Aurora-A recruitment and centrosomal maturation are regulated by a Golgi-activated pool of Src during G2.

"44-660A1 was used in immunocytochemistry to compare regulation of a Golgi-activated pool of Src during G2 by centrosomal maturation and Aurora-A recruitment"

Authors: Barretta ML,Spano D,D'Ambrosio C,Cervigni RI,Scaloni A,Corda D,Colanzi A

Species
Human
Not Applicable

Dilution
Not Cited
1:100

Year
2016

Immunofluorescence (1)

Nature communications

Aurora-A recruitment and centrosomal maturation are regulated by a Golgi-activated pool of Src during G2.

"44-660A1 was used in immunocytochemistry to compare regulation of a Golgi-activated pool of Src during G2 by centrosomal maturation and Aurora-A recruitment"

Authors: Barretta ML,Spano D,D'Ambrosio C,Cervigni RI,Scaloni A,Corda D,Colanzi A

Species
Human
Not Applicable

Dilution
Not Cited
1:100

Year
2016

Western Blot (4)

Nature communications

Aurora-A recruitment and centrosomal maturation are regulated by a Golgi-activated pool of Src during G2.

"44-660A1 was used in immunocytochemistry to compare regulation of a Golgi-activated pool of Src during G2 by centrosomal maturation and Aurora-A recruitment"

Authors: Barretta ML,Spano D,D'Ambrosio C,Cervigni RI,Scaloni A,Corda D,Colanzi A

Species
Human
Not Applicable

Dilution
Not Cited
1:100

Year
2016

FASEB journal : official publication of the Federation of American Societies for Experimental Biology

Complete focal adhesion kinase deficiency in the mammary gland causes ductal dilation and aberrant branching morphogenesis through defects in Rho kinase-dependent cell contractility.

"44-660A1 was used in western blot to determine the role and mechanism of focal adhesion kinase-mediated signaling in mammary gland development and differentiation."

Authors: van Miltenburg MH,Lalai R,de Bont H,van Waaij E,Beggs H,Danen EH,van de Water B

Species
Mouse

Dilution
Not Cited

Year
2009

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