



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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# Anti-Phosphothreonine Antibody [18F6]

Mouse Anti- Phosphothreonine Monoclonal IgG1 Kappa  
Catalog No. SMC-158



Discovery through partnership | Excellence through quality

## Overview

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### Product Name

Phosphothreonine Antibody

### Description

Mouse Anti- Phosphothreonine Monoclonal IgG1 Kappa

### Species Reactivity

Species Independent

### Applications

WB, ICC/IF, ELISA

### Antibody Dilution

WB (1:100), ICC/IF (1:100); optimal dilutions for assays should be determined by the user.

### Host Species

Mouse

### Immunogen

Phosphothreonine conjugated to KLH

### Conjugates

Alkaline Phosphatase, APC, ATTO 390, ATTO 488, ATTO 565, ATTO 594, ATTO 633, ATTO 655, ATTO 680, ATTO 700, Biotin, FITC, HRP, PE/ATTO 594, PerCP, RPE, Streptavidin, Unconjugated

## Properties

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### Storage Buffer

Ascites, 0.02% sodium azide

### Storage Temperature

-20°C, 4°C

### Shipping Temperature

Blue Ice or 4°C

### Purification

Ascites

### Clonality

Monoclonal

### Clone Number

18F6

### Isotype

IgG1 Kappa

### Specificity

Reacts with phosphothreonine, and detects the presence of phosphothreonine in proteins of both un-stimulated and stimulated cell lysates. Does not cross-react with phosphoserine or phosphotyrosine.

### Cite This Product

Mouse Anti- Phosphothreonine Monoclonal, Clone 18F6 (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SMC-158)

## Biological Description

### Alternative Names

PhosphoThreonine (pT) Antibody, PhosphoThreonine (pT) Antibody

### Research Areas

Cell Signaling, Phosphorylation, Post-translational Modifications

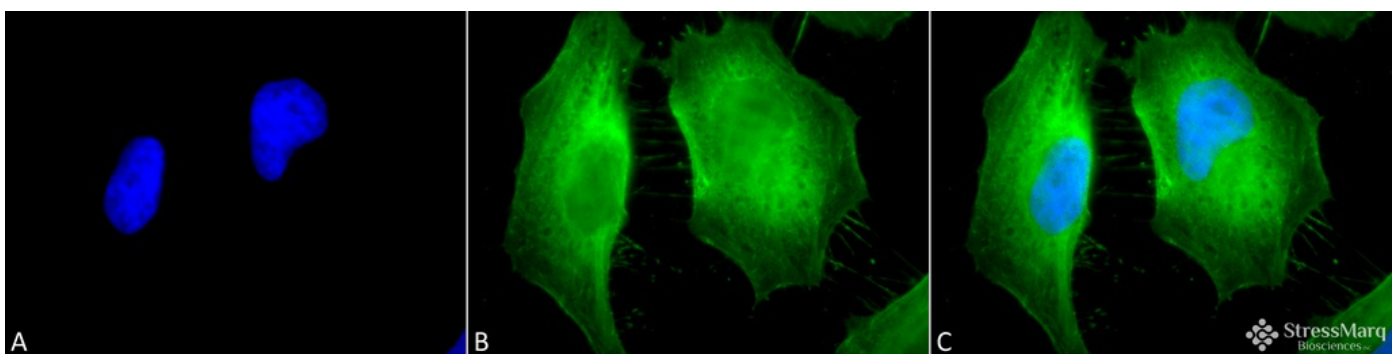
### Scientific Background

Protein phosphorylation is an important posttranslational modification that serves many key functions to regulate a proteins activity, localization, and protein-protein interactions. Phosphorylation is catalyzed by various specific protein kinases, which involves removing a phosphate group from ATP and covalently attaching it to to a recipient protein that acts as a substrate. Most kinases act on both serine and threonine; others act on tyrosine, and a number (dual specificity kinases) act on all three. Because phosphorylation can occur at multiple sites on any given protein, it can therefore change the function or localization of that protein at any time (1). Changing the function of these proteins has been linked to a number of diseases, including cancer, diabetes, heart disease, inflammation and neurological disorders (2-4).

### References

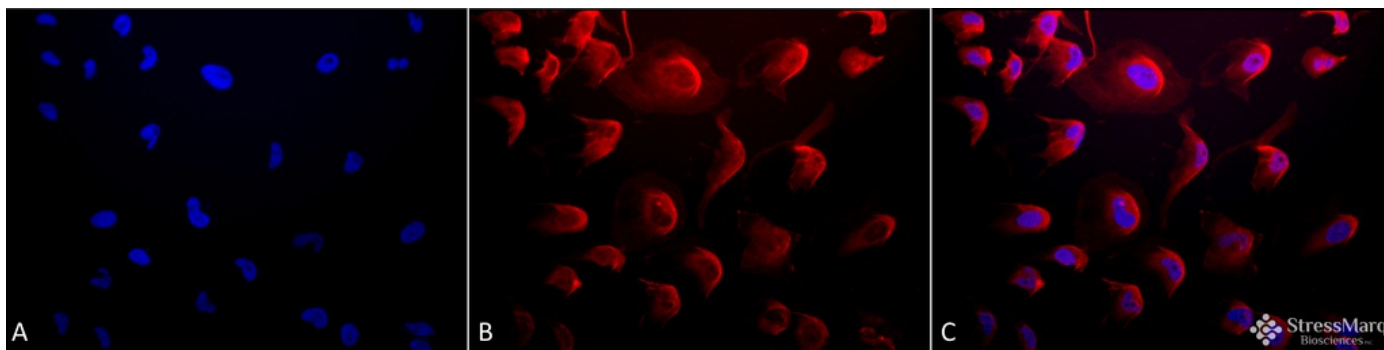
1. Goto H. et al. (2005) Nature Cell Biology 8: 180-187.
2. Blume-Jensen P. and Hunter T. (2001) Nature 411:355-365.
3. Downward J. (2001) Nature 411: 759-762.
4. Pawson T. and Saxton T.M. (1999) Cell 97: 675-678.
5. Frackelton A.R. Jr., Ross A.H., and Eisen H.N. (1983) Mol Cell Biol. 3: 1343-1352.
6. Ross A.H., Baltimore D., and Eisen H.N. (1981) Nature 294: 654-656.
7. Ostrovsky PC. (1995) Genes Dev. 9(16): 2034-2041.

## Product Images



Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-Phosphothreonine Monoclonal Antibody, Clone 18F9 (SMC-158). Tissue: HeLa Cells. Species: Human. Fixation: 2% Formaldehyde for 20 min at RT. Primary Antibody: Mouse Anti-Phosphothreonine Monoclonal Antibody (SMC-158) at 1:100 for 12 hours at 4°C. Secondary Antibody: FITC Goat Anti-Mouse

(green) at 1:200 for 2 hours at RT. Counterstain: DAPI (blue) nuclear stain at 1:40000 for 2 hours at RT. Localization: Diffuse nuclear and cytoplasmic staining. Magnification: 100x. (A) DAPI (blue) nuclear stain. (B) Anti-Phosphothreonine Antibody. (C) Composite.



Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-Phosphothreonine Monoclonal Antibody, Clone 18F9 (SMC-158). Tissue: HeLa Cells. Species: Human. Fixation: 2% Formaldehyde for 20 min at RT. Primary Antibody: Mouse Anti-Phosphothreonine Monoclonal Antibody (SMC-158) at 1:100 for 12 hours at 4°C. Secondary Antibody: APC Goat Anti-Mouse (red) at 1:200 for 2 hours at RT. Counterstain: DAPI (blue) nuclear stain at 1:40000 for 2 hours at RT. Localization: Diffuse nuclear and cytoplasmic staining. Magnification: 20x. (A) DAPI (blue) nuclear stain. (B) Anti-Phosphothreonine Antibody. (C) Composite.

## Product Citations (0)

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Currently there are no citations for this product.

## Reviews

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There are no reviews yet.