



# 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-Trap1 Antibody [3H4-2H6]

Mouse Anti-Human Trap1 Monoclonal IgG1 Kappa  
Catalog No. SMC-207



Discovery through partnership | Excellence through quality

## Overview

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### Product Name

Trap1 Antibody

### Description

Mouse Anti-Human Trap1 Monoclonal IgG1 Kappa

### Species Reactivity

Human, Mouse, Rat

### Applications

WB, ICC/IF

### Antibody Dilution

WB (1:1000), ICC/IF (1:100); optimal dilutions for assays should be determined by the user.

### Host Species

Mouse

### Immunogen Species

Human

### Immunogen

Purified recombinant TRAP1

### Concentration

1 mg/ml

### 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

PBS pH7.4, 50% glycerol, 0.09% sodium azide

### Storage Temperature

-20°C

### Shipping Temperature

Blue Ice or 4°C

### Purification

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Protein G Purified

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**Clonality**

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Monoclonal

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**Clone Number**

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3H4-2H6

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**Isotype**

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IgG1 Kappa

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**Specificity**

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Detects ~75kDa.

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**Cite This Product**

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Mouse Anti-Human TRAP1 Monoclonal, Clone 3H4-2H6 (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SMC-207)

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**Certificate Of Analysis**

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1 µg/ml of SMC-207 was sufficient for detection of Trap-1/HSP75 in 20 µg of Human A431 lysate by ECL immunoblot analysis using Goat anti-rabbit IgG:HRP as the secondary antibody.

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**Biological Description**

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**Alternative Names**

Heat shock protein 75 Antibody, Heat shock protein 75 kDa Antibody, Heat shock protein 75 kDa mitochondrial Antibody, HSP 75 Antibody, HSP 90L Antibody, HSP75 Antibody, HSP90L Antibody, mitochondrial Antibody, TNF receptor associated protein 1 Antibody, TNFR associated protein 1 Antibody, TNFR-associated protein 1 Antibody, TRAP 1 Antibody, TRAP-1 Antibody, Trap1 Antibody, TRAP1\_HUMAN Antibody, Tumor necrosis factor receptor associated protein Antibody, Tumor necrosis factor type 1 receptor associated protein Antibody, Tumor necrosis factor type 1 receptor-associated protein Antibody

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**Research Areas**

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Cancer, Heat Shock, Cell Signaling, Trafficking

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**Cellular Localization**

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Mitochondrion

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**Accession Number**

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NP\_057376.2

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**Gene ID**

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10131

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**Swiss Prot**

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Q12931

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**Scientific Background**

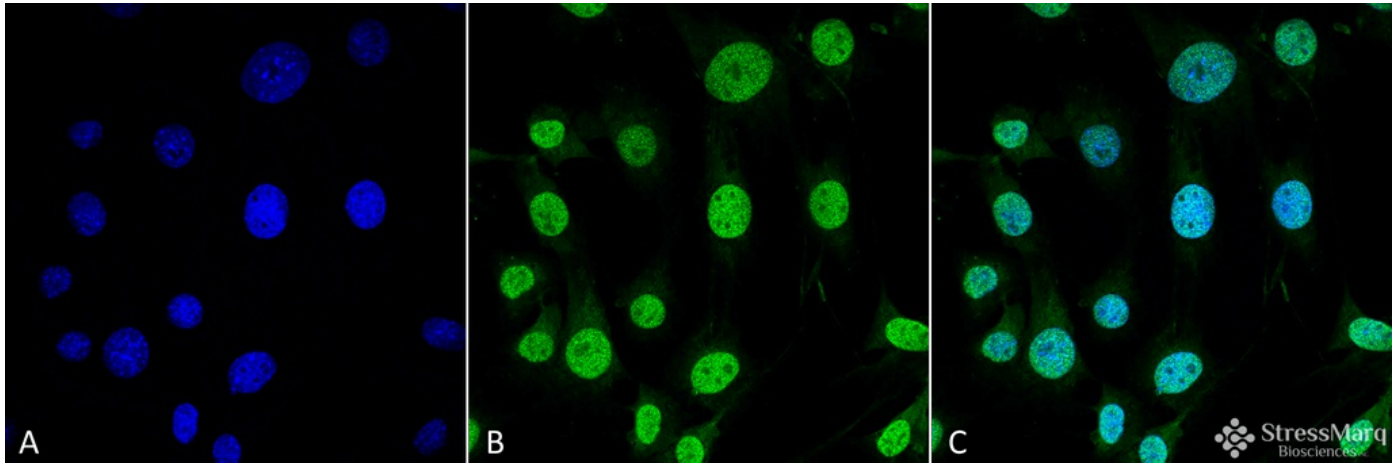
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The 90 kDa heat shock protein (HSP90) family of proteins that play an important physiological role. HSP90 is involved in numerous cellular processes but is best known for its association with signal transduction machinery. A recently cloned homolog of HSP90 is the tumor necrosis factor receptor-associated protein (TRAP1). Like HSP90, TRAP1 is found to be associated with numerous proteins involved in diverse actions (1, 2). Immunofluorescence data has shown TRAP1 to be localized in the mitochondria of mammalian cells. This observation and the fact that TRAP1 is shown to have a mitochondrial targeting pre-sequence strongly implicates TRAP1 as a mitochondrial matrix protein (3).

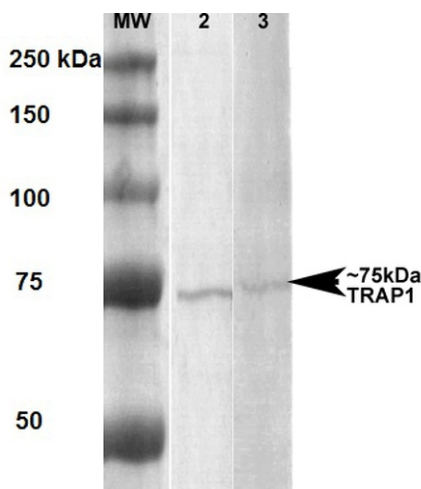
## References

1. Felts S.J., et al. (2000) J Biol Chem. 275(5): 3305-3312.
2. Costantino E., et al. (2009) Cancer Lett. 279(1): 39-46.
3. Cechetto J.D., Gupta R.S. (2000) Exp Cell Res. 260(1): 30-39.

## Product Images



Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-Trap1 Monoclonal Antibody, Clone 3H4-2H6 (SMC-207). Tissue: Myoblast cell line C2C12 . Species: Mouse. Fixation: 4% Formaldehyde for 15 min at RT. Primary Antibody: Mouse Anti-Trap1 Monoclonal Antibody (SMC-207) at 1:100 for 60 min at RT. Secondary Antibody: Goat Anti-Mouse ATTO 488 at 1:100 for 60 min at RT. Counterstain: DAPI (blue) nuclear stain at 1:5000 for 5 min RT. Localization: Nucleus. Magnification: 60X.



Western Blot analysis of Human, Rat Human A431 and Rat Brain Membrane cell lysates showing detection of ~75 kDa Trap1 protein using Mouse Anti-Trap1 Monoclonal Antibody, Clone 3H4-2H6 (SMC-207). Lane 1: MW ladder. Lane 2: Human lysate, A431. Lane 3: Rat lysate, Rat Brain Membrane (RBM). Load: 20  $\mu$ g. Block: 5% milk + TBST for 1 hour at RT. Primary Antibody: Mouse Anti-Trap1 Monoclonal Antibody (SMC-207) at 1:1000 for 1 hour at RT. Secondary Antibody: HRP Goat Anti-Rabbit at 1:2000 for 1 hour at RT. Color Development: TMB solution for 15 min at RT. Predicted/Observed Size: ~75 kDa.

## Product Citations (0)

Currently there are no citations for this product.

## Reviews

There are no reviews yet.