



SZABO SCANDIC

Part of Europa Biosite

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

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Anti-HSP110 Antibody

Rabbit Anti-Hamster HSP110 Polyclonal
Catalog No. SPC-195



Discovery through partnership | Excellence through quality

Overview

Product Name

HSP110 Antibody

Description

Rabbit Anti-Hamster HSP110 Polyclonal

Species Reactivity

Human, Monkey, Mouse, Rat, Bovine, Gummy Shark (*Mustelus antarcticus*), Hamster, School Shark (*Galeorhinus galeus*), Shark, Sheep, Yeast

Applications

WB, IHC

Antibody Dilution

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

Host Species

Rabbit

Immunogen Species

Hamster

Immunogen

Synthetic peptide derived from the sequence of hamster HSP110; sequence identical to human and mouse

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

Storage Buffer

PBS pH 7.2, 50% glycerol, 0.09% sodium azide

Storage Temperature

-20°C

Shipping Temperature

Blue Ice or 4°C

Purification

Protein A purified

Clonality

Polyclonal

Specificity

Detects ~110kDa.

Cite This Product

Rabbit Anti-Hamster HSP110 Polyclonal (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SPC-195)

Certificate Of Analysis

1 µg/ml of SPC-195 was sufficient for detection of HSP110 in 10 µg of human cell line mixed lysate by colorimetric immunoblot analysis using Goat anti-rabbit IgG:HRP as the secondary antibody.

Biological Description

Alternative Names

Heat shock 105kDa alpha Antibody, heat shock 105kDa beta Antibody, HSP105 Antibody, HSP105A Antibody, HSP105B Antibody, HSP110 Antibody, HSPH1 Antibody, NY CO 25 Antibody

Research Areas

Cancer, Heat Shock

Cellular Localization

Cytoplasm

Accession Number

NP_006635.2

Gene ID

10808

Swiss Prot

Q92598

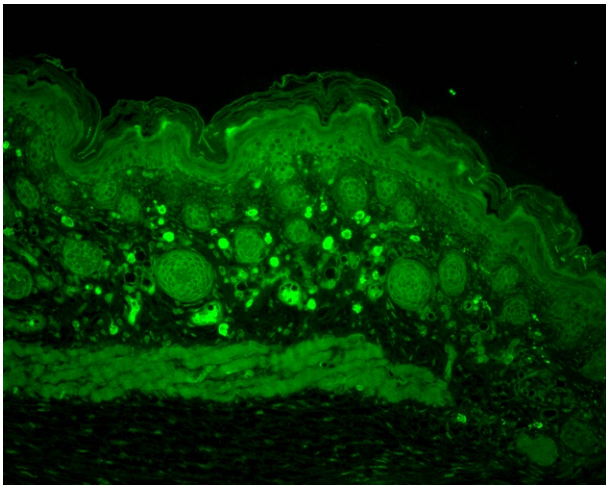
Scientific Background

HSP110 belongs to a family of large stress proteins known as the HSP110/SSE Family. The proteins in this family are the most distantly known relatives of the well studied HSP70 family. They share 30-33% amino acid identity, mostly in the conserved ATP-binding domain (1). HSP110 cooperates with HSP70 in protein folding in the eukaryotic cytosol (2). In mammals, HSP110 is constitutively expressed, but exhibits particularly high levels in the brain. Both HSP70 and HSP110 are elevated after cerebral ischemia. Recent studies demonstrate that the protective effects of HSP110 deficiency in cerebral ischemia may partly be mediated by an increase in the chaperone activity of HSP70 (3). Studies also suggest that HSP110 can be used in heat shock protein-based cancer immunotherapy (4).

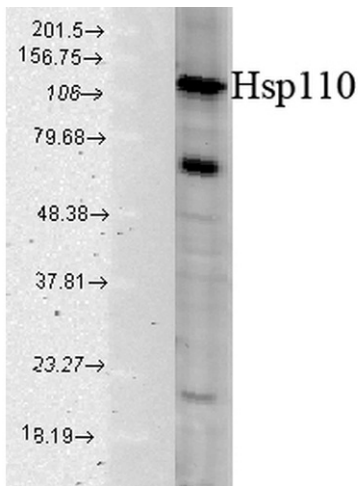
References

1. Lee-Yoon D., et al. (1995) J Biol Chem. 270: 15725-15733.
 2. Dragovic Z., et al. (2006) EMBO J. 25: 2519-2528.
 3. Nakamura J., et al. (2008) Stroke. 39(10): 2853-2859.
 4. Subject D.R. (2001) Health Research Inc. Report number AS90893: 1-84.
-

Product Images



Immunohistochemistry analysis using Rabbit Anti-HSP110 Polyclonal Antibody (SPC-195). Tissue: backskin. Species: Mouse. Fixation: Bouin's Fixative Solution. Primary Antibody: Rabbit Anti-HSP110 Polyclonal Antibody (SPC-195) at 1:100 for 1 hour at RT. Secondary Antibody: FITC Goat Anti-Rabbit (green) at 1:50 for 1 hour at RT. Localization: Positive epidermal, dermal and muscle staining.



Western blot analysis of Human Cell line lysates showing detection of HSP110 protein using Rabbit Anti-HSP110 Polyclonal Antibody (SPC-195). Load: 15 µg protein. Block: 1.5% BSA for 30 minutes at RT. Primary Antibody: Rabbit Anti-HSP110 Polyclonal Antibody (SPC-195) at 1:1000 for 2 hours at RT. Secondary Antibody: Donkey Anti-Rabbit IgG: HRP for 1 hour at RT.

Product Citations (3)

Western Blot

The epichaperome is an integrated chaperome network that facilitates tumour survival.

Rodina, A. et al. (2016) Nature. [Epub ahead of print].

PubMed ID: 27706135 **Reactivity:** Human **Applications:** Western Blot

Physiological responses to hypersalinity correspond to nursery ground usage in two inshore shark species (*Mustelus antarcticus* & *Galeorhinus galeus*).

Tunnah, L. et al. (2016) J Exp Biol. [Epub ahead of print].

PubMed ID: **Reactivity:** Shark **Applications:** Western Blot

Housing temperature influences the pattern of heat shock protein induction in mice following mild whole body hyperthermia.

Eng, J.W.L., Reed, C.B., Kokolus, K.M. and Repasky, E.A. (2014) Int J Hyperthermia. 30(8):540-6.

PubMed ID: 25430986 **Reactivity:** Mouse **Applications:** Western Blot

Reviews

Based on validation through cited publications.



StressMarq Biosciences

