



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 Handels GmbH

Quellenstraße 110, A-1100 Wien

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

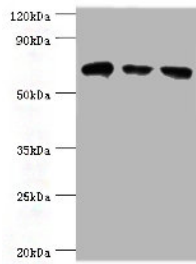
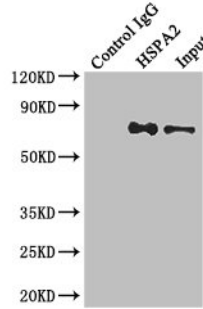
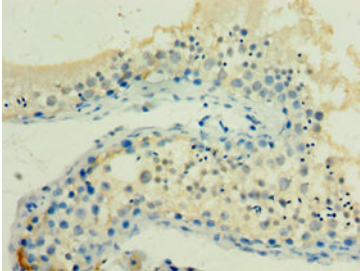
F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

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

Product Number	OACA07644
Product Page	www.avivasysbio.com/hspa2-antibody-oaca07644.html
Name	HSPA2 Antibody (OACA07644)
Isotype	IgG
Conjugation	Unconjugated
NCBI Gene Id	3306
Host	Rabbit
Clonality	Polyclonal
Gene Full Name	heat shock protein family A (Hsp70) member 2
Alias Symbols	epididymis secretory sperm binding protein;heat shock 70kD protein 2;heat shock 70kDa protein 2;heat shock-related 70 kDa protein 2;HSP70-2;HSP70-3.
Product Format	Liquid
Reference	[1]"Cloning of human full-length CDSs in BD Creator(TM) system donor vector."Kalnine N., Chen X., Rolfs A., Halleck A., Hines L., Eisenstein S., Koundinya M., Raphael J., Moreira D., Kelley T., LaBaer J., Lin Y., Phelan M., Farmer A.Submitted (AUG-2003). [2]"The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC)."The MGC Project TeamGenome Res. 14:2121-2127(2004). [3]"Initial characterization of the human central proteome."Burkard T.R., Panyavsky M., Kaupe I., Breitwieser F.P., Buerckstuehmer T., Bennett K.L., Superti-Furga G., Colinge J.BMC Syst. Biol. 5:17-17(2011).
Description of Target	Molecular chaperone implicated in a wide variety of cellular processes, including protection of the proteome from stress, folding and transport of newly synthesized polypeptides, activation of proteolysis of misfolded proteins and the formation and dissociation of protein complexes. Plays a pivotal role in the protein quality control system, ensuring the correct folding of proteins, the re-folding of misfolded proteins and controlling the targeting of proteins for subsequent degradation. This is achieved through cycles of ATP binding, ATP hydrolysis and ADP release, mediated by co-chaperones. The affinity for polypeptides is regulated by its nucleotide bound state. In the ATP-bound form, it has a low affinity for substrate proteins. However, upon hydrolysis of the ATP to ADP, it undergoes a conformational change that increases its affinity for substrate proteins. It goes through repeated cycles of ATP hydrolysis and nucleotide exchange, which permits cycles of substrate binding and release (PubMed:26865365). Plays a role in spermatogenesis. In association with SHCBP1L may participate in the maintenance of spindle integrity during meiosis in male germ cells (By similarity).
Reconstitution and Storage	-20°C or -80°C
Datasheets/Manuals	Printable datasheet for HSPA2 Antibody (OACA07644) (OACA07644)
Immunogen	Recombinant Human Heat shock-related 70 kDa protein 2 protein (400-639AA)
Formulation	PBS with, 50% glycerol, pH7.3.
Uniprot ID	P54652
Protein Name	Heat shock-related 70 kDa protein 2
Protein Accession #	NP_068814
Purification	Affinity Purified
Nucleotide Accession #	NM_021979
Preservative	0.02% sodium azide
Gene Symbol	HSPA2
Predicted Species Reactivity	Human Rat
Application	ELISA, IHC, WB

Image 1	A431 whole cell lysate, Hela whole cell lysate, Rat brain tissue  Western blot All lanes: HSPA2 antibody at 6ug/ml Lane 1: A431 whole cell lysate Lane 2: Hela whole cell lysate Lane 3: Rat brain tissue Secondary Goat polyclonal to rabbit at 1/1,0000 dilution Predicted band size: 70kDa Observed band size: 70kDa
Image 2	Hela whole cell lysate  Immunoprecipitating HSPA2 in Hela whole cell lysate Lane 1: Rabbit monoclonal IgG(1ug)instead of OACA03134 in Hela whole cell lysate. For western blotting, a HRP-conjugated anti-rabbit IgG, specific to the non-reduced form of IgG was used as the Secondary antibody (1/5,0000) Lane 2: OACA03134(4ug)+ Hela whole cell lysate(500ug) Lane 3: Hela whole cell lysate (20ug)
Image 3	Human testis  Immunohistochemistry of paraffin-embedded human testis at dilution 1:100

AVIVA SYSTEMS BIOLOGY manufactures and sells quality antibody products covering genome wide proteins.

This product is for Research Use Only. Not for diagnostic, human, or veterinary use.
Optimal conditions of its use should be determined by end users.