



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Anti-HA tag [12CA5] Bulk Size Ab02767-23.0-BT

This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG2b format, for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Rabbit IgG, Kappa

**Clone Number:** 12CA5

**Alternative Name(s) of Target:** Rho GTPase-activating protein 45; Arhgap45; Minor histocompatibility protein HA-1

**UniProt Accession Number of Target Protein:** Q3TBD2

**Published Application(s):** IP, WB, IF

**Published Species Reactivity:** Species independent

**Immunogen:** This antibody was raised by immunizing balb/c mice with a 9 amino acid peptide to influenza virus hemagglutinin.

**Specificity:** This antibody is specific for the HA-tag. HA contains a GTPase activator for the Rho-type GTPases (RhoGAP) domain that would be able to negatively regulate the actin cytoskeleton as well as cell spreading. However, also contains N-terminally a BAR-domain which is able to play an autoinhibitory effect on this RhoGAP activity.

**Application Notes:** The mouse version of this antibody has shown the ability to immunoprecipitate HA bound to BAX from cell lysates (Cheng et al, 1996; pmid:8596636). HA tagged SIM1 was immunoprecipitated using the mouse version of this antibody. Other proteins present that lacked the HA tag were not immunoprecipitated (Michaud et al, 2000; pmid:10640708). A western blot has detected HA bound to PI4P5K using the mouse version of this antibody (Shibasaki et al, 1997; pmid:9065410). The HOXC6 protein bound to a HA-tag was immunoprecipitated using the mouse version of this antibody (McCabe et al, 2008; pmid:18339881). Cells expressing MLS2 fused to the HA epitope were stained using the mouse version of this antibody. Further the MSL2-HA protein was immunoprecipitated using this antibody (Smith et al, 2000; pmid:10594033). The Pat1 gene tagged with HA can be immunoprecipitated from lysed yeast cells using the mouse version of this antibody. Furthermore, the mouse version of this antibody can detect pat1-HA in a western blot. The western blot was performed to determine the effect of topoisomerase II activity on chromosome segregation (Wang et al, 1996; pmid:8972867). HA tagged proteins can be stained using the mouse version of this antibody. Furthermore, the SPOP protein bound to a HA tag is able to be detected by the mouse version of this antibody on a western blot. The western blot was performed to identify a novel

antigen found in serum from a sclerodoma patient (Nagai et al, 1997; PMID:9414087).

**Antibody First Published in:** Cheng et al. Bax-independent inhibition of apoptosis by Bcl-XL Nature. 1996 Feb 8;379(6565):554-6. [PMID:8596636](https://pubmed.ncbi.nlm.nih.gov/8596636/)

**Note on publication:** Using site-specific mutagenesis, it is shown here that the amino-acid residues critical for protection of cells by Bcl-XL against Sindbis virus-induced apoptosis are clustered within the Bcl-2-homology regions 1 and 2 (BH1 and BH2 regions).

## Product Form

**Size:** 1 mg Purified antibody in bulk size.

**Purification:** Protein A affinity purified

**Supplied In:** PBS only.

**Storage Recommendation:** Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20°C.

**Concentration:** 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.