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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-HA tag [12CA5] Standard Size Ab02767-23.0

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: 200 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. 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.