Synaptic Systems

Rudolf-Wissell-Str. 28
37079 Göttingen, Germany
Phone: +49 551-50556-0
Fax: +49 551-50556-384
E-mail: sales@sysy.com
Web: www.sysy.com

CASKIN 1

Cat.No. 185-0P; control peptide, 100 µg peptide (lyophilized)

Data Sheet

Reconstitution/ Storage	100 µg peptide, lyophilized. For reconstitution add 100 µl H_2O to get a 1mg/ml solution in PBS. Then aliquot and store at -20°C until use. Control peptides should also be stored at -20°C when still lyophilized!
Immunogen	Synthetic peptide corresponding to AA 1416 to 1430 from rat CASKIN1 (UniProt Id: Q8VHK2)
Recommended dilution	Optimal concentrations should be determined by the end-user.
matching antibodies	185 002, 185 003
Remarks	This control peptide consists of the synthetic peptide (aa 1416 - 1430 of CASKIN 1) that has been used for immunization. It has been tested in preadsorption experiments and blocks efficiently and specifically the corresponding signal in Western blots. The amount of peptide needed for efficient blocking depends on the titer and on the affinity of the antibody to the antigen.

TO BE USED IN VITRO / FOR RESEARCH ONLY
NOT TOXIC, NOT HAZARDOUS, NOT INFECTIOUS, NOT CONTAGIOUS

The complex of the multi-adaptor-proteins CASK, Veli and Mint is conserved across kingdoms. **CASKIN 1** is a novel CASK interaction partner that binds to its Cam Kinase domain and competes with Mint so that alternative complexes can be formed. Four different splice variants have been identified so far.

Selected General References

The role of the MAGUK protein CASK in neural development and synaptic function.
Hsueh YP
Current medicinal chemistry (2006) 13(16): 1915-27.

CASK participates in alternative tripartite complexes in which Mint 1 competes for binding with caskin 1, a novel CASK-binding protein.
Tabuchi K, Biederer T, Butz S, Sudhof TC
The Journal of neuroscience : the official journal of the Society for Neuroscience (2002) 22(11): 4264-73.