

## CASKIN 1

Cat.No. 185 002; Polyclonal rabbit antibody, 200 µl antiserum (lyophilized)

### Data Sheet

Reconstitution/ Storage	200 µl antiserum, lyophilized. For reconstitution add 200 µl H <sub>2</sub> O, then aliquot and store at -20°C until use.
Applications	<b>WB:</b> 1 : 1000 up to 1 : 5000 (AP staining) <b>IP:</b> not tested yet <b>ICC:</b> 1 : 500 up to 1 : 1000 <b>IHC:</b> yes <b>IHC-P/FFPE:</b> not tested yet
Immunogen	Synthetic peptide corresponding to AA 1416 to 1430 from rat CASKIN1 (UniProt Id: Q8VHK2)
Reactivity	Reacts with: human (Q8WXD9), rat (Q8VHK2), mouse (Q6P9K8), cow, dog, monkey. Other species not tested yet.
Specificity	Specific for CASKIN 1. The epitope is present in splice variants 1, 2, 3 but missing in variant 4.
matching control	185-0P

**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 References SYSY Antibodies

Differential synaptic distribution of the scaffold proteins Cask and Caskin1 in the bovine retina.  
Anjum R, Ayoubian H, Schmitz F  
Molecular and cellular neurosciences (2014) 62: 19-29. **WB, IHC; tested species: cow**

miR-21a-5p Contributes to Porcine Hemagglutinating Encephalomyelitis Virus Proliferation via Targeting CASK-Interactive Protein1 In vivo and vitro.  
Lv X, Zhao K, Lan Y, Li Z, Ding N, Su J, Lu H, Song D, Gao F, He W  
Frontiers in microbiology (2017) 8: 304. **WB; tested species: mouse**

### 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.