# CASK

**Cat.No. 150 002; Polyclonal rabbit antibody, 200 µl antiserum (lyophilized)**

## Data Sheet

<table>
<thead>
<tr>
<th>Reconstitution/Storage</th>
<th>200 µl antiserum, lyophilized. For reconstitution add 200 µl H₂O, then aliquot and store at -20°C until use.</th>
</tr>
</thead>
</table>
| Applications           | **WB**: 1 : 100 up to 1 : 1000 (AP staining)  
**IP**: not tested yet  
**ICC**: yes  
**IHC**: yes  
**IHC-P/FFPE**: not tested yet |
| Immunogen              | Recombinant protein corresponding to AA 1 to 337 from rat CASK (UniProt Id: Q62915) |
| Reactivity             | Reacts with: rat (Q62915), mouse (O70589), hamster.  
Other species not tested yet. |
| Specificity            | Specific for CASK. |

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

CASK, like PSD 95, belongs to the family of membrane associated guanylate kinase homologues (MAGUKs) but contains an additional N-terminal CaM kinase-like domain. It has been shown to interact with Mint and Veli via its N-terminal domains. PDZ domains are present in all three proteins of the complex. They are free to recruit other proteins like neurexins and syndecans. The complex of CASK, Velis and Mint is conserved across kingdoms and has also been observed in C. elegans.

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**Selected References SYSY Antibodies**

The proteome of the presynaptic active zone: from docked synaptic vesicles to adhesion molecules and maxi-channels.  
Morciano M, Beckhaus T, Karas M, Zimmermann H, Volknandt W  
CASK and Dlg form a PDZ protein complex at the mammalian neuromuscular junction.  
Sanford JL, Mays TA, Rafael-Fortney JA  

**Selected General References**

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  
CASK and Dlg form a PDZ protein complex at the mammalian neuromuscular junction.  
Sanford JL, Mays TA, Rafael-Fortney JA  

A multiprotein trafficking complex composed of SAP97, CASK, Veli, and Mint1 is associated with inward rectifier Kir2 potassium channels.  
Leonoudakis D, Conti LR, Radeke CM, McGuire LM, Vandenberg CA  

The scaffolding protein CASK mediates the interaction between raphilin3a and beta-neurexins.  
Zhang Y, Luan Z, Liu A, Hu G  

A tripartite protein complex with the potential to couple synaptic vesicle exocytosis to cell adhesion in brain.  
Butz S, Okamoto M, Sudhof TC  

The making of neurexins.  
Missler M, Fernandez-Chacon R, Sudhof TC  