**Parvalbumin**

Cat.No. 195 004; Polyclonal Guinea pig antibody, 100 µl antiserum (lyophilized)

### Data Sheet

<table>
<thead>
<tr>
<th>Reconstitution/Storage</th>
<th>100 µl antiserum, lyophilized. For reconstitution add 100 µl H₂O, then aliquot and store at -20°C until use.</th>
</tr>
</thead>
</table>
| Applications           | WB: 1 : 1000 (AP staining)  
                          | IP: yes  
                          | ICC: not tested yet  
                          | IHC: 1 : 200 up to 1 : 500  
                          | IHC-P/FFPE: 1 : 500 |
| Immunogen              | Recombinant protein corresponding to AA 1 to 133 from rat Parvalbumin |
| Reactivity             | Reacts with: rat (P02625), mouse (P32848), chicken, zebrafish, sheep. Other species not tested yet. |
| Specificity            | Specific for parvalbumin. |
| matching control       | 195-0P |
| Remarks                | Due to its small size a tricine gel is recommended. |

**Selected References SYSY Antibodies**


- Non-canonical heterogeneous cellular distribution and co-localization of CamKIIα and CamKIIβ in the spinal superficial dorsal horn. Larsson M Brain structure & function (2018) 223(3): 1437-1457. IHC; tested species: rat


- Phase-specific expression of mouse primary visual cortex correlates with figure detection behavior based on phase discontinuity. Li F, Jiang W, Wang TY, Xie T, Yao H Neuroscience (2018) 1. IHC; tested species: mouse


Parvalbumin is a small, acidic, calcium binding protein and belongs to the family of EF hand proteins. The protein is found in skeletal muscle and the brain of vertebrates where it locates to a specific population of GABAergic interneurons. This subset of neurons may contribute to maintaining the balance between excitation and inhibition in the cortex and the hippocampus.