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 localizes to a specific population of GABAergic interneurones. This subset of neurons may contribute to maintaining the balance between excitation and inhibition in the cortex and the hippocampus.

### Selected References SYSY Antibodies


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IHC; tested species: mouse

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Neuron (2018) : . IHC, tested species: mouse

**Data Sheet**

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

<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>
<tbody>
<tr>
<td>Applications</td>
<td>WB: 1 : 1000 (AP staining) (see remarks) IP: yes IHC: not tested yet IHC-P/FFPE: 1 : 500 EM: yes</td>
</tr>
<tr>
<td>Reactivity</td>
<td>Reacts with: rat (P02625), mouse (P32848), chicken, zebrafish, sheep, human (P20472). Other species not tested yet.</td>
</tr>
<tr>
<td>Specificity</td>
<td>Specific for parvalbumin.</td>
</tr>
<tr>
<td>matching control</td>
<td>195-0P</td>
</tr>
<tr>
<td>Remarks</td>
<td>WB: Due to its small size a tricine gel is recommended. 195 002 is more sensitive and recommended for westernblotting</td>
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</tbody>
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**TO BE USED IN VITRO / FOR RESEARCH ONLY NOT TOXIC, NOT HAZARDOUS, NOT INFECTIOUS, NOT CONTAGIOUS**

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**Immunogen**

Recombinant protein corresponding to AA 1 to 110 from rat Parvalbumin (UniProt Id: P02625)

**Toxicity**

**Not toxic**

**Stability**

Lyophilized. For reconstitution add 100 µl H2O, then aliquot and store at -20°C until use.

**Applications**

WB: 1 : 1000 (AP staining) (see remarks)

IP: yes

IHC: not tested yet

IHC-P/FFPE: 1 : 500

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