**Selected References SYSY Antibodies**

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de Andrade GB, Kunzelman L, Merrill MM, Fuerst PG  
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Control of thomboospondin over synaptic glycine and AMPA receptors in spinal cord neurons.  
Hennekine L, Colasse S, Triller A, Renner M  

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**Data Sheet**

**Cat.No. 146 011; Monoclonal mouse antibody, 100 µg purified IgG (lyophilized)**

<table>
<thead>
<tr>
<th>Reconstitution/Storage</th>
<th>100 µg purified IgG, lyophilized. Azide was added before lyophilization. For reconstitution add 100 µl H2O to get a 1mg/ml solution in PBS. Then aliquot and store at -20°C until use.</th>
</tr>
</thead>
</table>
| Applications           | WB: 1 : 500 up to 1 : 1000 (AP staining)  
IHC: yes  
IP: yes  
ICC: yes  
IHC-P/FPPE: 1 : 500  
ELISA: yes  
FLOWCytometry: yes |
| Clone                  | mAb4a                                                                 |
| Subtype                | IgG1 (κ light chain)                                                                 |
| Immunogen             | Recombinant protein corresponding to AA 1 to 457 from rat Glycine receptor α1 (UniProt Id: P07727)                                                                 |
| Epitope               | Epitop: AA 96 to 105 from rat Glycine receptor α1 (UniProt Id: P07727)                                                                 |
| Reactivity            | Reacts with: human (P23415, P23416, P48167), rat (P07727, P22771, P20781), mouse (Q64018, Q7TNC8, P48168), pig, zebrafish. Other species not tested yet. |
| Specificity           | Specific for all glycine receptor subunits.                                                                 |
| Remarks               | IHC: Tissue sections require additional methanol/acidic acid treatment prior to antibody incubation. For details see Dumoulin A, Triller A & Dieudonné S (2001). Recommended protocol |

**NOT TO BE USED IN VITRO / FOR RESEARCH ONLY**

**NOT TOXIC, NOT HAZARDOUS, NOT INFECTIOUS, NOT CONTAGIOUS**

The inhibitory glycine receptor (GlyR) is a member of the ligand-gated ion channel superfamily of neurotransmitter receptors. It is an oligomeric protein composed of homologous subunits (α 1-4 and β) with four transmembrane segments (M1-M4) each. It shows a widespread expression profile in brain. Several isoforms and splice variants with distinct pharmacology have been discovered so far.