**Selected References SYSY Antibodies**

Fc gamma receptors are expressed in the developing rat brain and activate downstream signaling molecules upon cross-linking with immune complex.

Stamou M, Grozäki AC, van Oostrum M, Wollschled B, Lein PJ


A Simple Procedure for Creating Scalable Phenotypic Screening Assays in Human Neurons.

Sritharan B, Hubbs C, Llamosas N, Kilinc M, Singhera FU, Willems E, Piper DR, Scampavia L, Rumbaugh G, Spicer TP


Alternative 3’ UTRs Modify the Localization, Regulatory Potential, Stability, and Plasticity of mRNAs in Neuronal Compartments.

Tushav G, Glock C, Heumüller V, Biever A, Jovanovic M, Schuman EM


Loss of nuclear UBE3A causes electrophysiologically and behavioral deficits in mice and is associated with Angelman syndrome.


ADAR2 mislocalization and widespread RNA editing aberrations in C9orf72-mediated ALS/FTD.


The metalloprotease ADAMTS4 generates N-truncated AP4-x species and marks oligodendrocytes as a source of amyloidogenic peptides in Alzheimer’s disease.


Glutamate Receptor Trafficking and Protein Synthesis Mediate the Facilitation of LTP by Secreted Amyloid Precursor Protein Alpha.


Intramolecular domain dynamics regulate synaptic MAGUK protein interactions.

Rademacher N, Kurooka B, Kunde SA, Wahl MC, Freund C, Shiochet SA

eLife (2019) B: . ICC; tested species: cos cells

NMDA Receptors Regulate Neurexin 2 Binding to ER-PM Junctions and Ectodomain Release.

Vullhorst D, Buonanno A

Selected References

**MAP 2**

Cat.No. 188 004; 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>
<tbody>
<tr>
<td>Immunogen</td>
<td>Recombinant protein corresponding to AA 2 to 314 from human MAP2-4 hu (UniProt Id: P11137-4)</td>
</tr>
<tr>
<td>Reactivity</td>
<td>Reacts with: human (P11137), rat (P15146), mouse (P20357). Other species not tested yet.</td>
</tr>
<tr>
<td>Specificity</td>
<td>Specific for MAP 2; recognizes all four isoforms.</td>
</tr>
<tr>
<td>matching control</td>
<td>188-0P</td>
</tr>
<tr>
<td>Remarks</td>
<td>WB: Due to its large size, MAP 2 requires special gel-electrophoresis and Western blot protocols for visualization by immunoblotting. Excellent results can be obtained with the 4-12% TRIS-glycine gradient gels from anamed or NuPAGE 3-8% TRIS-Acetate gradient gels from invitrogen.</td>
</tr>
</tbody>
</table>

**TO BE USED IN VITRO / FOR RESEARCH ONLY**

**NOT TOXIC, NOT HAZARDOUS, NOT INFECTIONOUS, NOT CONTAGIOUS**

There are two major classes of heat stable microtubule associated proteins (MAPs): MAP 2, and tau. Both protein classes are involved in the regulation of microtubule polymerization in cells.

Four differentially regulated isoforms of MAP 2 have been described so far.

- **WB**
- **ICC**
- **IHC-P; tested species:** human, mouse
- **ICC, FACS; tested species:** rat
- **ICC, IHC; tested species:** mouse
- **IHC, FACS; tested species:** rat
- **ICC, IHC; tested species:** mouse
- **IHC; tested species:** rat
- **IHC, FACS; tested species:** mouse
- **IHC; tested species:** mouse
- **ICC; tested species:** rat
- **ICC, IHC; tested species:** mouse
- **IHC; tested species:** mouse
- **ICC, IHC; tested species:** mouse
- **ICC, FACS; tested species:** rat
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- **ICC, FACS; tested species:** mouse
- **IHC; tested species:** mouse
- **ICC, FACS; tested species:** rat
- **IHC; tested species:** mouse