Synaptic Systems

Rudolf-Wissell-Str. 28
37079 Göttingen, Germany
Phone: +49 551-50556-0
Fax: +49 551-50556-384
E-mail: sales@sysy.com
Web: www.sysy.com

mGluR1-α

Cat.No. 191 002; Polyclonal rabbit antibody, 200 µl antiserum (lyophilized)

Data Sheet

Reconstitution/ Storage	200 µl antiserum, lyophilized. For reconstitution add 200 µl H_2O, then aliquot and store at -20°C until use.
Applications	**WB**: 1 : 1000 (AP staining) **IP**: not tested yet **ICC**: not recommended **IHC**: not recommended **IHC-P/FFPE**: not tested yet
Immunogen	Recombinant protein corresponding to AA 1091 to 1199 from mouse mGluR1-α (UniProt Id: P97772)
Reactivity	Reacts with: rat (P23385), mouse (P97772). Other species not tested yet.
Specificity	Specific for mGluR1-α.
matching control	191-0P

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

Glutamate is the main excitatory neurotransmitter in the vertebrate nervous system and regulates a number of cellular signaling pathways. In addition to the ionotropic glutamate receptors of the NMDA, AMPA and kainate type, eight metabotropic receptors (mGluR1 - 8) have been described so far. This receptor family can be subdivided into three groups: Group I receptors (**mGluR1**, mGluR5) are activated by dihydroxyphenylglycine (DHPG), group II receptors (**mGluR2**, mGluR3) by dicarboxycyclopropylglycine (DCG-IV), and group III receptors (mGluR4, mGluR6, mGluR7, mGluR8) by aminophosphonobutyrate (L-AP4).

Selected General References

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