

GluA2

Cat.No. 182 211; Monoclonal mouse antibody, 100 µg purified IgM (lyophilized)

Data Sheet

Reconstitution/ Storage	100 µg purified IgM, lyophilized. Azide was added before lyophilization. For reconstitution add 100 µl H ₂ O to get a 1mg/ml solution in PBS. Then aliquot and store at -20°C until use.
Applications	WB: 1 : 1000 up to 1 : 10000 (AP staining) IP: not tested yet ICC: not tested yet IHC: not tested yet IHC-P/FFPE: not tested yet
Clone	143A10
Subtype	IgM
Immunogen	Recombinant protein corresponding to AA 836 to 883 from rat GluA2 (UniProt Id: P19491)
Epitop	Epitop: AA 836 to 883 from rat GluA2 (UniProt Id: P19491)
Reactivity	Reacts with: rat (P19491), mouse (P23819). Other species not tested yet.
Specificity	Specific for GluA 2
matching control	182-1P

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

Ionotropic **glutamate receptors (iGluRs)** mediate rapid excitatory neurotransmission in the mammalian CNS. They can be subdivided into three major groups, the **AMPA/GluA**, **NMDA/GluN** and **kainate/GluK receptors (KARs)**. mRNAs coding for glutamate receptors are substrates for an adenosine deaminase acting on RNA (ADAR) that increases the diversity of these proteins. Glutamate receptors of the AMPA subtype are monovalent cation channels and are composed of the four AMPA subunits GluA 1, **GluA 2**, GluA 3, and GluA 4.

Selected General References

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