

GluA

Cat.No. 182 411; Monoclonal mouse antibody, 100 µg purified IgG (lyophilized)

Data Sheet

Reconstitution/Storage	100 µg purified IgG, 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: not recommended IP: not tested yet ICC: 1 : 100 up to 1 : 500 (see remarks) IHC: not tested yet IHC-P/FFPE: not tested yet
Clone	248B7
Subtype	IgG2a (κ light chain)
Immunogen	Nativ Protein corresponding to AA 22 to 545 from rat GluA2 (UniProt Id: P19491)
Epitop	Epitop: AA 22 to 545 from rat GluA2 (UniProt Id: P19491)
Reactivity	Reacts with: rat (P19490, P19491, P19492, P19493), mouse (P23818, P23819, Q9Z2W9, Q9Z2W8). Other species not tested yet.
Specificity	Raised against GluA 2 but detects GluA 1, 2, and 3 transfected cells. Due to sequence homology, it likely crossreacts also to GluA 4.
Remarks	ICC: This antibody is suitable for the surface staining of living cells. After washing cells with bound antibodies they can be fixed and visualized with secondary reagents.

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 References SYSY Antibodies

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