

GluN 2 A/B

Cat.No. 244 002; Polyclonal rabbit antibody, 200 µl antiserum (lyophilized)

Data Sheet

Reconstitution/ Storage	200 µl antiserum, lyophilized. For reconstitution add 200 µl H ₂ O, then aliquot and store at -20°C until use.
Applications	WB: 1 : 1000 (AP staining) IP: yes (see remarks) ICC: 1 : 250 (see remarks) IHC: not tested yet IHC-P/FFPE: not tested yet
Immunogen	Synthetic peptide corresponding to AA 1448 to 1464 from mouse GluN2A (UniProt Id: P35436)
Reactivity	Reacts with: rat (Q00959, Q00960), mouse (P35436, Q01097). Other species not tested yet.
Specificity	Cross-reacts to GluN 2B due to sequence homology.
matching control	244-0P
Remarks	IP: For most effective IP use the solubilization protocol described in the ELISA protocol. Consider that protein-protein interaction may be affected. ICC: The affinity purified antibody is recommended for this application.

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

GluNs (NMDA-receptors) represent a class of glutamate receptors that are of central importance in synaptic plasticity. Multiple NMDA receptor subtypes exist: GluN 1 and **GluN 2 A-D**. GluN 1 is the most important as it is required for activity. NMDA-receptors allow Ca²⁺ influx and are thought to trigger Ca²⁺ dependent postsynaptic processes involved in long term potentiation and depression.

Selected General References

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