

Neurologin 1/2/3/4

Cat.No. 129 211; 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: 1 : 1000 (AP staining) IP: not tested yet ICC: 1 : 200 up to 1 : 500 IHC: not recommended IHC-P/FFPE: not tested yet
Clone	87H9
Subtype	IgG1 (κ light chain)
Immunogen	Recombinant protein corresponding to AA 608 to 722 from mouse Neurologin3 (UniProt Id: Q8BYM5)
Epitop	Epitop: AA 608 to 722 from mouse Neurologin3 (UniProt Id: Q8BYM5)
Reactivity	Reacts with: rat (Q62765, Q62888, Q62889,), mouse (Q99K10, Q69ZK9, Q8BYM5, B0F2B4). Other species not tested yet.
Specificity	WB: Recognizes neurologin 2 and 3. ICC: Stains predominantly neurologin 2 in cultured hippocampus neurons. Detects transiently expressed GFP fusion proteins comprising the cytoplasmic tails of neurologins 1-4. (K.O. verified)

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

Neurologins form a family of postsynaptic cell surface molecules that interact with β-neurexins. They are 110-120 kDa polypeptides with homology to acetylcholine esterase. Neurologin 1 and neurologin 3 are specifically localized to post-synaptic densities of excitatory synapses whereas neurologin 2 is found exclusively on inhibitory synapses.

Mutations in neurologin 3 and neurologin 4 have been implicated with a rare, heritable form of autism.

Selected General References

Neurologin 1 is a postsynaptic cell-adhesion molecule of excitatory synapses.
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