

Neurologin 3

Cat.No. 129-1P; control protein, 100 µg protein (lyophilized)

Data Sheet

Reconstitution/ Storage	100 µg protein, lyophilized. For reconstitution add 100 µl H ₂ O to get a 1mg/ml solution in TBS. Then aliquot and store at -20°C until use.
Immunogen	Recombinant protein corresponding to AA 710 to 824 from mouse Neurologin3 (UniProt Id: Q8BYM5)
Recommended dilution	Optimal concentrations should be determined by the end-user.
matching antibodies	129 103
Remarks	This control protein consists of the recombinant protein (aa 710-824 of mouse neurologin 3) that has been used for immunization. It has been tested in preadsorption experiments and blocks efficiently and specifically the corresponding signal in Western blots. The amount of protein needed for efficient blocking depends on the titer and on the affinity of the antibody to the antigen.

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

Neuroligins 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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Chubykin AA, Liu X, Comoletti D, Tsigelny I, Taylor P, Südhof TC
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Neurologin 2 is exclusively localized to inhibitory synapses.
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