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## Neuroligin 3

Cat.No. 129-3P; control peptide, 100 µg peptide (lyophilized)

## **Data Sheet**

Reconstitution/ Storage	100 μg peptide, lyophilized. For reconstitution add 100 μl H₂O to get a 1mg/ml solution in PBS. Then aliquot and store at -20°C until use. Control peptides should also be stored at -20°C when still lyophilized!
Immunogen	Synthetic peptide corresponding to AA 753 to 770 from mouse Neuroligin3 (UniProt Id: Q8BYM5)
Recommended dilution	Optimal concentrations should be determined by the end-user.
matching antibodies	129 113
Remarks	This control peptide consists of the synthetic peptide (aa 753-770 of mouse neuroligin 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 peptide 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  $\beta$ -neurexins. They are 110-120 kDa polypeptides with homology to acetylcholine esterase. Neuroligin 1 and **neuroligin 3** are specifically localized to post-synaptic densities of excitatory synapses whereas neuroligin 2 is found exclusively on inhibitory synapses.

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

## **Selected General References**

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