

Neurologin2 KO Lysate

Cat.No. 510-Nlg2-KO; , 100 µg tissue lysate

Data Sheet

Reconstitution/Storage	100 µg lysate in 1 X SDS PAGE loading buffer 'ready to use'. Total volume: 50 µl. Concentration: 2 mg/ml. Aliquot and store at -20°C until use.
Applications	WB: yes (see remarks)
Source	Balb-C
Remarks	WB: Since several synaptic proteins aggregate after boiling, these lysates are unboiled. Boil sample before loading, if this is recommended for your protocol.

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

Selected General References

Activity-dependent validation of excitatory versus inhibitory synapses by neuroligin-1 versus neuroligin-2. Chubykin AA, Atasoy D, Etherton MR, Brose N, Kavalali ET, Gibson JR, Südhof TC. Neuron (2007) 54(6): 919-31.

Dissection of synapse induction by neuroligins: effect of a neuroligin mutation associated with autism. Chubykin AA, Liu X, Comoletti D, Tsigelny I, Taylor P, Südhof TC. The Journal of biological chemistry (2005) 280(23): 22365-74.

Neuroligin 2 is exclusively localized to inhibitory synapses.

Varoqueaux F, Jamin S, Brose N. European journal of cell biology (2004) 83(9): 449-56.

Synaptic targeting of neuroligin is independent of neurexin and SAP90/PSD95 binding.

Dresbach T, Neeb A, Meyer G, Gundelfinger ED, Brose N. Molecular and cellular neurosciences (2004) 27(3): 227-35.

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

Song JY, Ichtchenko K, Südhof TC, Brose N. Proceedings of the National Academy of Sciences of the United States of America (1999) 96(3): 1100-5.

The making of neurexins.

Missler M, Fernandez-Chacon R, Südhof TC. Journal of neurochemistry (1998) 71(4): 1339-47.

Structures, alternative splicing, and neurexin binding of multiple neuroligins.

Ichtchenko K, Nguyen T, Südhof TC. The Journal of biological chemistry (1996) 271(5): 2676-82.

Neuroligin 1: a splice site-specific ligand for beta-neurexins.

Ichtchenko K, Hata Y, Nguyen T, Ullrich B, Missler M, Moomaw C, Südhof TC. Cell (1995) 81(3): 435-43.

The synaptic vesicle cycle: a cascade of protein-protein interactions.

Südhof TC. Nature (1995) 375(6533): 645-53.