Resource Summary Report

Generated by RRID on Aug 5, 2026

Mini Analysis Program

RRID:SCR_002184
Type: Tool

Proper Citation

Mini Analysis Program (RRID:SCR_002184)

Resource Information

URL: http://www.synaptosoft.com/MiniAnalysis/

Proper Citation: Mini Analysis Program (RRID:SCR_002184)

Description: Software tool that detects peaks of any type, any shape, any direction, and any size for neuroscientists who are studying spontaneous activities. Allows detection of virtually any kind of peaks including spontaneous miniature synaptic currents and potentials, action potential spikes, calcium imaging peaks, amperometric peaks, ECG peaks etc. It includes the complex and multiple peak detection algorithm. Has post-detection analyses including essential plots and statistical parameters. Group Analysis provides specialized and detailed analysis options for action potentials, decay fitting, fEPSP/population spikes, amperometry, etc., THIS RESOURCE IS NO LONGER IN SERVICE. Documented on September 16,2025.

Abbreviations: Mini Analysis

Synonyms: Mini Analysis, MiniAnalysis

Resource Type: data processing software, software application, software resource, data analysis software

Keywords: Synaptosoft Inc., analysis, peak, spontaneous, activity, synaptic, current, potential, spike, calcium, image, amperometric, ECG, plot, statistical, parameter

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: Mini Analysis Program

Resource ID: SCR_002184

Alternate IDs: SciRes_000143, SCR_014441

License: Commercial license

Record Creation Time: 20220129T080212+0000

Record Last Update: 20260805T044035+0000

Ratings and Alerts

No rating or validation information has been found for Mini Analysis Program.

No alerts have been found for Mini Analysis Program.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 1137 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID .

Lee D, et al. (2026) Microglial VRK2 Regulates Astrocytic GABA Synthesis and Tonic Inhibition in the Thalamus. Glia, 74(1), e70101.

Silva JDN, et al. (2026) KNDy neurons as an indirect target of insulin-like growth factor-1. Journal of neuroendocrinology, 38(1), e70130.

Leviskas B, et al. (2026) The Subcellular Localization of the Cystic Fibrosis Transmembrane Conductance Regulator in the Chicken Retina Suggests Multiple Roles in Retinal Function. Journal of neuroscience research, 104(1), e70109.

Ma YN, et al. (2025) Prefrontal parvalbumin interneurons mediate CRHR1-dependent early-life stress-induced cognitive deficits in adolescent male mice. Molecular psychiatry, 30(6), 2407.

Di Berardino C, et al. (2025) Serotonin regulates in a cell-type specific manner light-evoked response and synaptic activity in mouse retinal ganglion cells. Biological research, 58(1), 11.

Zhang J, et al. (2025) An antidepressant mechanism underlying the allosteric inhibition of GluN2D-incorporated NMDA receptors at GABAergic interneurons. Science advances, 11(10), eadq0444.

Zhang G, et al. (2025) Cholecystokinin-expressing GABA neurons elicit long-term potentiation in the cortical inhibitory synapses and attenuate sound-shock associative memory. Scientific reports, 15(1), 31220.

Li H, et al. (2025) A phosphorylation switch in the Mediator MED15 controls cellular senescence and cognitive decline. Cell discovery, 11(1), 69.

Wang K, et al. (2025) GPR37 Activation Alleviates Bone Cancer Pain via the Inhibition of Osteoclastogenesis and Neuronal Hyperexcitability. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 12(14), e2417367.

Di Matteo F, et al. (2025) Neuronal hyperactivity in neurons derived from individuals with gray matter heterotopia. Nature communications, 16(1), 1737.

Zhong H, et al. (2025) S-ketamine exposure in early postnatal period induces social deficit mediated by excessive microglial synaptic pruning. Molecular psychiatry, 30(8), 3615.

Yang L, et al. (2025) Stress dynamically modulates neuronal autophagy to gate depression onset. Nature, 641(8062), 427.

Petitto E, et al. (2025) The Dissociation of Latrophilin Fragments by Perfluorooctanoic Acid (PFOA) Inhibits LTXN4C-Induced Neurotransmitter Release. Toxins, 17(7).

Han Z, et al. (2025) S-Nitrosylation of Dexras1 Controls Post-Stroke Recovery via Regulation of Neuronal Excitability and Dendritic Remodeling. CNS neuroscience & therapeutics, 31(1), e70199.

Lan T, et al. (2025) Exercise-Activated mPFC Tri-Synaptic Pathway Ameliorates Depression-Like Behaviors in Mouse. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 12(3), e2408618.

Jin T, et al. (2025) Disturbed engram network caused by NPTX downregulation underlies aging-related contextual fear memory deficits. Cell research, 35(9), 656.

O'Neill PS, et al. (2025) A deep learning framework for automated and generalized synaptic event analysis. eLife, 13.

Chen X, et al. (2025) MicroRNA-204-5p Deficiency within the vmPFC Region Contributes to Neuroinflammation and Behavioral Disorders via the JAK2/STAT3 Signaling Pathway in Rats. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 12(10), e2403080.

Bridi MCD, et al. (2025) Daily oscillation of the excitation/inhibition ratio is disrupted in two mouse models of autism. iScience, 28(1), 111494.

Zeng Q, et al. (2025) Neuropeptide Y neurons mediate opioid-induced itch by disinhibiting GRP-GRPR microcircuits in the spinal cord. Nature communications, 16(1), 7074.