Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 26, 2025

SynGAP Polyclonal Antibody

RRID:AB_2287112
Type: Antibody

Proper Citation

(Thermo Fisher Scientific Cat# PA1-046, RRID:AB_2287112)

Antibody Information

URL: http://antibodyregistry.org/AB_2287112

Proper Citation: (Thermo Fisher Scientific Cat# PA1-046, RRID:AB_2287112)

Target Antigen: SynGAP

Host Organism: rabbit

Clonality: polyclonal

Comments: Applications: WB (1 µg/mL), ICC/IF (2 µg/mL), IHC (P) (2 µg/mL)

Antibody Name: SynGAP Polyclonal Antibody

Description: This polyclonal targets SynGAP

Target Organism: rat, mouse, human

Defining Citation: PMID:27194588, PMID:17904250, PMID:12040032, PMID:25158904, PMID:27623146, PMID:20410461, PMID:26041915, PMID:16041714, PMID:9620694, PMID:14970204, PMID:20554866, PMID:25533468, PMID:22072671, PMID:14715953, PMID:23268962, PMID:9581761

Antibody ID: AB_2287112

Vendor: Thermo Fisher Scientific

Catalog Number: PA1-046

Record Creation Time: 20250416T091819+0000

Record Last Update: 20250416T094241+0000

Ratings and Alerts

No rating or validation information has been found for SynGAP Polyclonal Antibody.

No alerts have been found for SynGAP Polyclonal Antibody.

Data and Source Information

Source: Antibody Registry

Usage and Citation Metrics

We found 11 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Robinson K, et al. (2024) Mapping proteomic composition of excitatory postsynaptic sites in the cerebellar cortex. Frontiers in molecular neuroscience, 17, 1381534.

Daniel JA, et al. (2023) An intellectual-disability-associated mutation of the transcriptional regulator NACC1 impairs glutamatergic neurotransmission. Frontiers in molecular neuroscience, 16, 1115880.

Yang R, et al. (2023) Upregulation of SYNGAP1 expression in mice and human neurons by redirecting alternative splicing. Neuron, 111(10), 1637.

Yokoi S, et al. (2022) The SYNGAP1 3'UTR Variant in ALS Patients Causes Aberrant SYNGAP1 Splicing and Dendritic Spine Loss by Recruiting HNRNPK. The Journal of neuroscience : the official journal of the Society for Neuroscience, 42(47), 8881.

Murtaza N, et al. (2022) Neuron-specific protein network mapping of autism risk genes identifies shared biological mechanisms and disease-relevant pathologies. Cell reports, 41(8), 111678.

Gou G, et al. (2020) SynGAP splice variants display heterogeneous spatio-temporal expression and subcellular distribution in the developing mammalian brain. Journal of neurochemistry, 154(6), 618.

McEachern EP, et al. (2020) PSD-95 deficiency alters GABAergic inhibition in the prefrontal cortex. Neuropharmacology, 179, 108277.

Muheim CM, et al. (2019) Dynamic- and Frequency-Specific Regulation of Sleep Oscillations by Cortical Potassium Channels. Current biology : CB, 29(18), 2983.

Dejanovic B, et al. (2018) Changes in the Synaptic Proteome in Tauopathy and Rescue of Tau-Induced Synapse Loss by C1q Antibodies. Neuron, 100(6), 1322.

Walkup WG, et al. (2016) A model for regulation by SynGAP-?1 of binding of synaptic proteins to PDZ-domain 'Slots' in the postsynaptic density. eLife, 5.

Walkup WG, et al. (2015) Phosphorylation of synaptic GTPase-activating protein (synGAP) by Ca2+/calmodulin-dependent protein kinase II (CaMKII) and cyclin-dependent kinase 5 (CDK5) alters the ratio of its GAP activity toward Ras and Rap GTPases. The Journal of biological chemistry, 290(8), 4908.