Supplemental information

Chemico-genetic discovery of astrocyte control of inhibition *in vivo*

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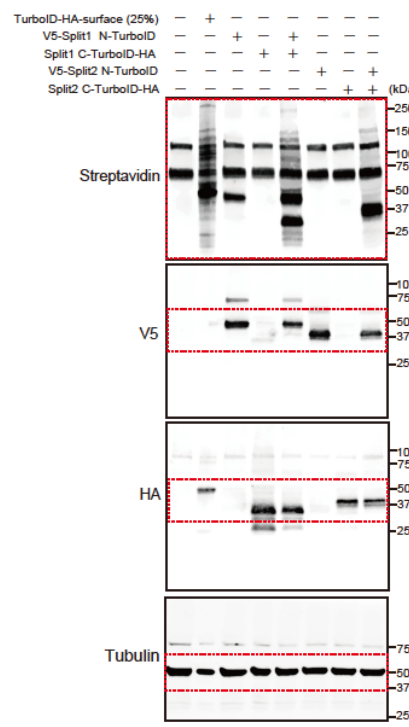Duke University Medical Center
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Supplementary Figure 1

Fig. 4a
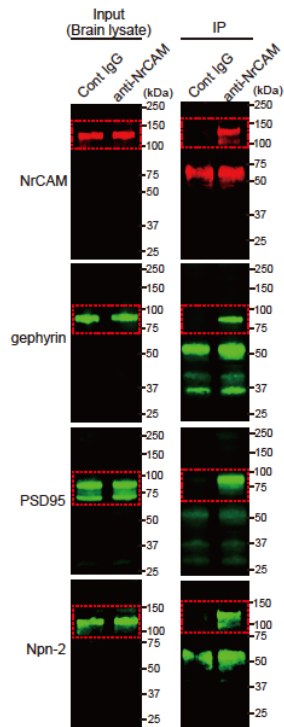
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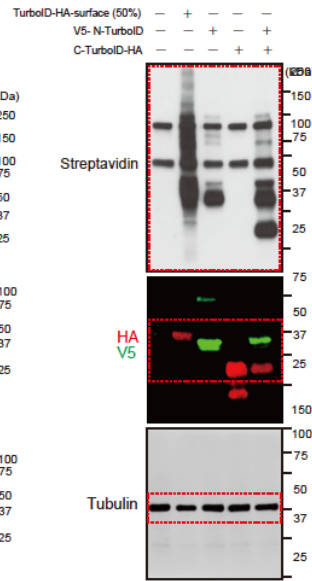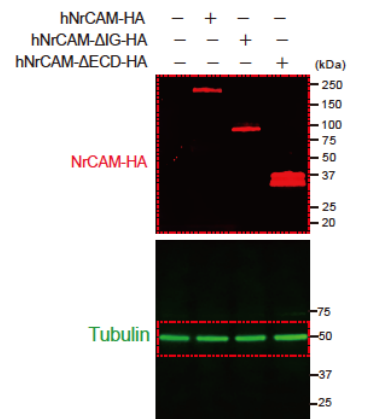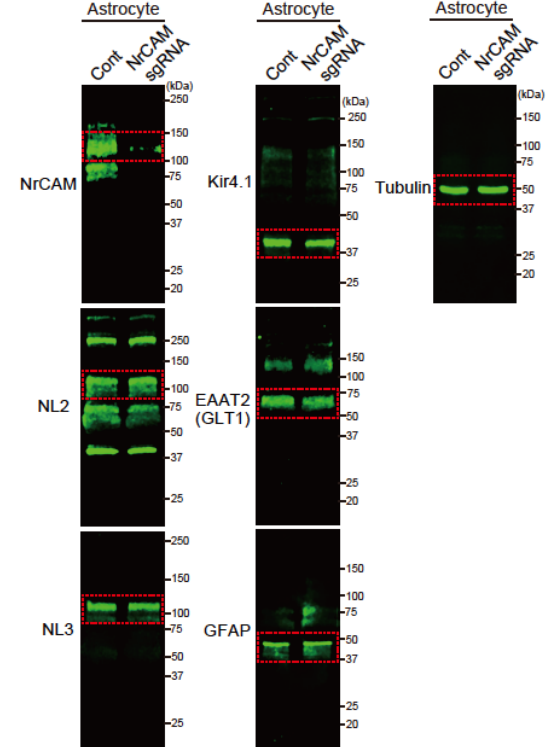

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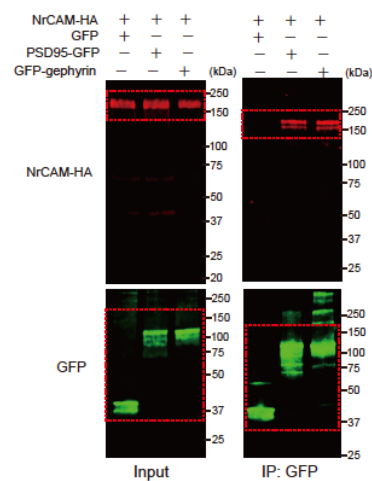

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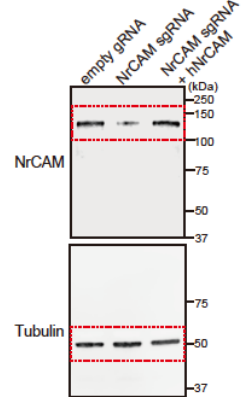
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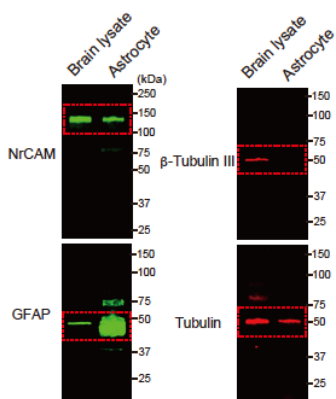
Ext. Data Fig. 7c

Ext. Data Fig. 8a

Ext. Data Fig. 8c

Supplementary Table 4: Primers used for constructions or sequences

	Primers
pZac-GfaABC1D-TurboID-HA	Forward 5'-GAGAATTCACCATGAAAGACAATACTGTGCCTCTGAAGCT-3' Reverse 5'-TTTACCCTTACGATGTACCGGATTACGCATCTAGAGT-3'
pZac-GfaABC1D-TurboID-HA Sequence primer 1	5'-AATTACAGCTCTTAAGGCTAGAGTACTTAA-3'
pZac-GfaABC1D-TurboID-HA Sequence primer 2	5'-TAACCATTATAAGCTGCAATAAACAAGTTAA-3'
pZac-GfaABC1D-TurboID-HA-surface	Forward 5'-GCGTTTAAACAAAGACAATACTGTGCTGTGCCTCTGAA-3' Reverse 5'-TCTAGACTACAGAGAAATGAAGTCCAGGGCTTGGAGGA-3'
pZac-GfaABC1D-TurboID-HA-surface Sequence primer 1	5'-AATTACAGCTCTTAAGGCTAGAGTACTTAA-3'
pZac-GfaABC1D-TurboID-HA-surface Sequence primer 2	5'-TTAATCCCTGCTTCCTGCAGTGTGAT-3'
pZac-GfaABC1D-TurboID-HA-surface Sequence primer 3	5'-CCACTAGTTGCGTAATCCGGTACATCGTAA-3'
pZac-GfaABC1D-TurboID-HA-surface Sequence primer 4	5'-TTAACTTGTTTATTGCAGCTTATAATGGTTA-3'
AAV-hSynI-V5-Split 1 N-TurboID	Forward 5'-GCGTTTAAACGGCAAGCCCATCCCCAACCC-3' Reverse 5'-CCACTAGTTTCCTGCTCGAACAGTTCCAGGGC-3'
pZac-GfaABC1D-Split 1 C-TurboID-HA	Forward 5'-GCGTTTAAACGGCCTGGCTCCATATCTGCCAC-3' Reverse 5'-CCACTAGTTGCGTAATCCGGTACATCGTAA-3'
AAV-hSynI-V5-Split 2 N-TurboID	Forward 5'-CGTTTAAACGGCAAGCCCATCCCCAACCCC-3' Reverse 5'-CACTAGTCTTCAGGCGCCAAAACATACTCAGGTA-3'

pZac-GfaABC1D-Split 2 C-TurboID-HA	Forward 5'-GCGTTTAAACCGGGGACCAGCAGCAATCGG-3' Reverse 5'-CACTAGTTGCGTAATCCGGTACATCGTAAGGGTAAA-3'
AAV-hSynI-V5-Split 1 N-TurboID AAV-hSynI-V5-Split 2 N-TurboID Sequence primer	5'-TCAGCACTGAAGGCGCGCTGACGTCA-3'
pZac-GfaABC1D-Split 1 C-TurboID-HA pZac-GfaABC1D-Split 2 C-TurboID-HA Sequence primer	5'-AATTACAGCTCTTAAGGCTAGAGTACTTAA-3'
AAV-U6sgRNA-GfaABC1D-Cre	Forward 5'-TTTTTTTCTAGAAGATCTAACATATCCTGGTGTGGAG-3' Reverse 5'-TGGCGGTACCTGCGAGCAGCGGA-3'
AAV-U6sgRNA-GfaABC1D-Cre Sequence primer	5'-ATGAGATTTTTCCTGACCTCATCGCT-3'
AAV-Ef1a-hNrCAM-HA	Forward 5'-TACCGGATCCTCTAGAACCATGCAGCTTAAAATAATGCCGAAAAA-3' Reverse 5'-CGATAAGCTTGATATCTTATGCGTAATCCGGTACATCGTAAGGGTAAAGAACAAAGGAATTCAT-3'
AAV-Ef1a-hNrCAM-ΔIG-HA	Forward 5'-TACCGGATCCTCTAGAACCATGACTCCAGCTCCCGTTTACGATGT-3' Reverse 5'-CGATAAGCTTGATATCTTATGCGTAATCCGGTACATCGTAAGGGTAAAGAACAAAGGAATTCATGGCGTTGACA-3'
AAV-Ef1a-hNrCAM-ΔECD-HA	Forward 5'-TACCGGATCCTCTAGAACCATGGATGAAGCTGGTATTCTTCCA-3' Reverse 5'-CGATAAGCTTGATATCTTATGCGTAATCCGGTACATCGTAAGGGTAAAGAACAAAGGAATTCATGGCGTTGACA-3'

AAV-Ef1a-hNrCAM-Signal peptide	Forward 5'-AGGTGTCGTGAGGTACCACCATGCAGCTTAAAATAAT-3' Reverse 5'-TGGAGTCATGGTTCTAGAGCACAGGAAGAGAAT-3'
AAV-Ef1a-hNrCAM-HA Sequence primer 1	5'-ATTAGTTCTCGAGCTTTTGGAGTA-3'
AAV-Ef1a-hNrCAM-HA Sequence primer 2	5'-TAGATTTAATCATACTCAAACCATACAGCAGAA-3'
AAV-Ef1a-hNrCAM-HA Sequence primer 3	5'-TTTAAAGGAGCTAAAGGAAGTGCTCTTCAT-3'
AAV-Ef1a-hNrCAM-HA Sequence primer 4	5'-AAATGTATCCAAATATATTGTCTCAGGCA-3'
AAV-GfaABC1D-hNrCAM-HA	Forward 5'-ATAGGCTAGCCTCGAGACCATGCAGCTTAAAATAATGCCGAAAAA-3' Reverse 5'-TCTGCTCGAAGCGGCCGCTTATGCGTAATCCGGTACATCGTAAGGGTAAAGAACAAAGGAATTCAT-3'
AAV-GfaABC1D-hNrCAM-ΔIG-HA	Forward 5'-ATAGGCTAGCCTCGAGACCATGACTCCAGCTCCCGTTTACGAT-3' Reverse 5'-TCTGCTCGAAGCGGCCGCTTATGCGTAATCCGGTACATCGTAAGGGTAAAGAACAAAGGAATTCATGGCGTTGACA-3'
AAV-GfaABC1D-hNrCAM-ΔECD-HA	Forward 5'-ATAGGCTAGCCTCGAGACCATGGATGAAGCTGGTATTCTTCCA-3' Reverse 5'-TCTGCTCGAAGCGGCCGCTTATGCGTAATCCGGTACATCGTAAGGGTAAAGAACAAAGGAATTCATGGCGTTGACA-3'
AAV-GfaABC1D-hNrCAM-Signal peptide	Forward 5'-AGGCTAGCACCATGCAGCTTAAAATAAT-3' Reverse 5'-TGGAGTCATGGTCTCGAGGCACAGGAAGAGAATCA-3'

AAV-GfaABC1D-hNrCAM-HA Sequence primer 1	5'-TATCAAGGTTACAAGACAGGTTTAAGGAGACCAATA-3'
AAV-GfaABC1D-hNrCAM-HA Sequence primer 2	5'-TAGATTTAATCATACTCAAACCATACAGCAGAA-3'
AAV-GfaABC1D-hNrCAM-HA Sequence primer 3	5'-TTTAAAGGAGCTAAAGGAAGTGCTCTTCAT-3'
AAV-GfaABC1D-hNrCAM-HA Sequence primer 4	5'-AAATGTATCCAAATATATTGTCTCAGGCA-3'