

REAGENT or RESOURCE	SOURCE	IDENTIFIER
Primary Antibodies		
Rabbit polyclonal anti-GFP	Molecular Probes	Cat# A11122; RRID:AB_221569
Chicken polyclonal anti-GFP	Aves Labs	Cat# GFP-1020; RRID:AB_10000240
Rabbit polyclonal anti-CGRP	Millipore	Cat# AB15360; RRID:AB_672958
Isolectin B4 (IB4)	Sigma-Aldrich	Cat# L2140; RRID:AB_2313663
Rabbit polyclonal anti-PKC gamma	Santa Cruz	Cat# SC-211; RRID:AB_632234
Rabbit polyclonal anti-NK1R	Millipore	Cat# AB5060; RRID:AB_2200636
Rabbit polyclonal anti-TRPV1	Neuromics	Cat# RA14113; RRID:AB_2194034
Mouse monoclonal anti-GABA	Millipore	Cat# MAB316; RRID:AB_94396
Rabbit polyclonal anti-Pax2	Thermo Fisher Scientific	Cat# 71-6000; RRID:AB_2533990
Alexa-Fluor 488 conjugated donkey anti-rabbit IgG	Jackson Immuno-Research	Cat# 711-545-152; RRID:AB_2313584
Alexa-Fluor 488 conjugated donkey anti-chicken IgG	Jackson Immunoresearch	Cat# 703-545-155; RRID:AB_2340375
Alexa-Fluor 488 conjugated donkey anti-guinea pig IgG	Jackson Immunoresearch	Cat# 706-545-148; RRID:AB_2340472
Cy3-conjugated donkey anti-rabbit IgG	Jackson Immunoresearch	Cat# 711-165-152; RRID:AB_2307443
Cy5-conjugated donkey anti-chicken IgG	Jackson Immunoresearch	Cat# 703-175-155; RRID:AB_2340365
Bacterial and virus strains		
AAV2/8-Vgat-DIO-hM3Dq-mCherry	BrainVTA	PT-1725
AAV2/8-Vgat-DIO-hM4Di-mCherry	BrainVTA	PT-0618
AAV5-Ef1a-DIO-eYFP	BrainVTA	PT-0012

rAAV2/9-Ef1 α -DIO-EGFP-TVA	BrainVTA	PT-0062
rAAV2/9-Ef1 α -DIO-RVG	BrainVTA	PT-0061
RV-ENVA-dG-dsRed	BrainVTA	R01002
Biological samples		
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Chemicals, peptides, and recombinant proteins		
Chloroquine	Sigma-Aldrich	Cat# C6628
Histamine	Sigma-Aldrich	Cat# H7250
GRP	GenScript	H-3120
NKB	Genscript	RP10517
NMB	Bachem	H-3280
Acetone	Sigma-Aldrich	Cat# 179124
Diethylether	Sigma-Aldrich	Cat# 309966
Senktide	Sigma-Aldrich	Cat# SML0764
Capsaicin	Sigma-Aldrich	Cat# M2028
Menthol	Sigma-Aldrich	Cat# M2772
Substance P	Sigma-Aldrich	Cat# 05-23-0600
Bicuculline methobromide	Sigma-Aldrich	Cat# AABH9A95480E
Strychnine hydrochloride	Sigma-Aldrich	Cat# S8753
SB 223412 (Talnetant)	Sigma-Aldrich	Cat# SML1165
Tetrodotoxin citrate	Sigma-Aldrich	Cat# 554412
Bombesin-saporin	Advanced targeting systems	Cat# IT-40
NKB-saporin	Advanced targeting systems	Cat# IT-63
Critical commercial assays		

In-Fusion® HD Cloning Kit	Clontech- Fisher Scientific	Cat# NC1454739
Deposited data		
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Experimental models: Cell lines		
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Experimental models: Organisms/strains		
C57Bl/6J mice	The Jackson Laboratory	RRID:IMSR_JAX:000664
NK3R-eGFP mice	GENSAT	/
GRPR-eGFP mice	GENSAT	/
<i>Grpr</i> ^{Cre} mice	This paper	/
<i>Nk3r</i> -Cre and <i>Nk3r</i> ^{Cre} mice	This paper	/
<i>Nk3r</i> ^{Flpo} mice	This paper	/
VGAT-ChR2-EYFP mice	The Jackson Laboratory	RRID:IMSR_JAX:014548
Oligonucleotides		
<i>Tacr3</i> -C2 (target region bases 247-1253)	GenBank: NM_021382.6	Cat# 481671-C2
iCre-C3 (target region bases 2 –1028)	GenBank: Ay056050.1	Cat# 423321-C3
antisense probe for <i>Tacr3</i> (bases 713-1243 of <i>Tacr3</i> mRNA)	NCBI accession NM_021382.6	/

RNA scope ISH <i>Tac1</i> probe	Advanced Cell Diagnostics	/
RNA scope ISH <i>Nk3r</i> probe	Advanced Cell Diagnostics	/
RNA scope ISH <i>Vgat</i> probe	Advanced Cell Diagnostics	/
Recombinant DNA		
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Software and algorithms		
Prism 7.0	Graphpad	https://www.graphpad.com
Minianalysis 6.0	Synaptosoft	discontinued
pClamp 10.0	Molecular Devices	https://www.moleculardevices.com/products/axon-patch-clamp-system
Sigmaplot 16	Graphiti	https://grafiti.com/sigmaplot-detail/
Orange data mining	Open-source	https://orangedatamining.com/
Image J (version 1.34e)	NIH software	
Other		
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