

Product Datasheet

GIRK2 Antibody NB100-74575

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

www.novusbio.com



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Publications: 4

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NB100-74575

GIRK2 Antibody

Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA
Target Molecular Weight	48 kDa

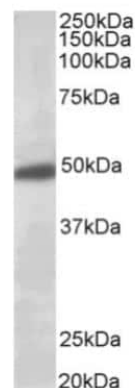
Product Description	
Description	Novus Biologicals Goat GIRK2 Antibody (NB100-74575) is a polyclonal antibody validated for use in IHC, WB, ELISA and ICC/IF. Anti-GIRK2 Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Goat
Gene ID	3763
Gene Symbol	KCNJ6
Species	Human
Immunogen	Peptide with sequence C-SSKLNQHAELET corresponding to C-Terminus according to NP_002231.1.

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Peptide ELISA
Recommended Dilutions	Western Blot 1-3 ug/ml, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Peptide ELISA Detection limit 1:32000
Application Notes	WB: Approx. 48 kDa band observed in human brain (hippocampus and substantia nigra) lysates (calculated MW of 48.5 kDa band according to NP_002231.1). Use in IHC, ICC/IF reported in scientific literature (PMID: 28398344).

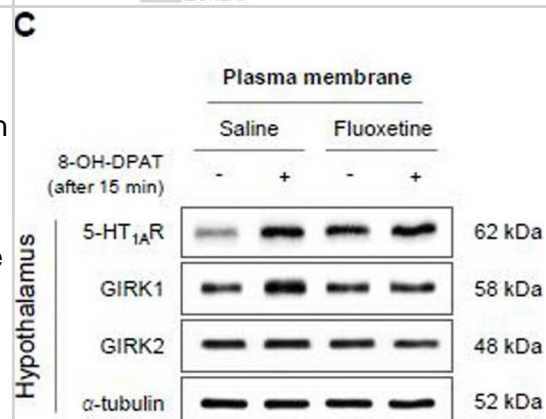


Images

Western Blot: GIRK2 Antibody [NB100-74575] - Staining of Human Brain (Substantia Nigra) lysate (35ug protein in RIPA buffer). Detected by chemiluminescence.



Hypothalamic neuronal activity under 5-HT_{1A} receptor agonist treatment. After fluoxetine injection for 4 weeks, hypothalamic CRH neuronal activity (CRH, CRH_R2 and c-Fos) before and after challenge with 8-OH-DPAT was evaluated by immunofluorescent staining (A) and western blotting (B) analysis. In the hypothalamic plasma membrane, the protein expression levels of the 5-HT_{1A} receptors, GIRK1 and GIRK2 were measured (C). The protein expression levels of BDNF, phosphorylated ERK1/2 and CREB in whole hypothalamic lysate were analyzed (D). The data are expressed as the mean \pm SD (n = 4/group) Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/38191373>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Lee, JS;Kang, JY;Park, SY;Hwang, SJ;Bae, SJ;Son, CG; Central 5-HT_{1A} receptor agonist hyperactivity induces myalgic encephalomyelitis/chronic fatigue syndrome (ME/CFS)-like pathophysiology *Journal of translational medicine* 2024-01-08 [PMID: 38191373]

Yoon Hyung Ho, Min Joongkee, Shin Nari et al. Are human dental papilla-derived stem cell and human brain-derived neural stem cell transplantations suitable for treatment of Parkinson's disease? *Neural Regeneration Research* 2013-01-01 [PMID: 25206413] (IF/IHC, Human)

Rivetti di Val Cervo P, Romanov RA, Spigolon G et al. Induction of functional dopamine neurons from human astrocytes in vitro and mouse astrocytes in a Parkinson's disease model. *Nat. Biotechnol.* 2017-04-10 [PMID: 28398344] (IF/IHC, ICC/IF)

Lu M, Lin SC, Huang Y et al. XIAP induces NF-kappaB activation via the BIR1/TAB1 interaction and BIR1 dimerization. *Mol Cell* 2007-06-08 [PMID: 17560374]



Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NB100-74575

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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