www.antibodiesinc.com
orders@antibodiesinc.com
530-758-4400

PRODUCT DATASHEET

Anti-Kir3.3 Antibody

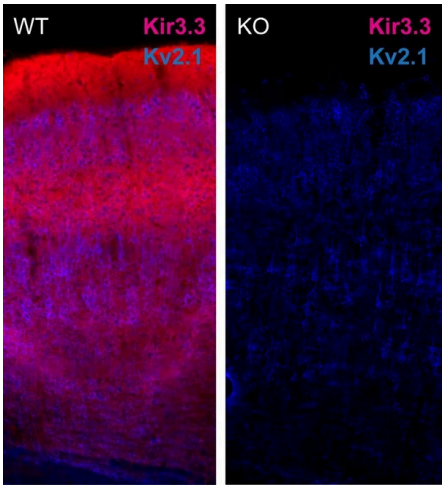
NeuroMab KO Validated

Product Details

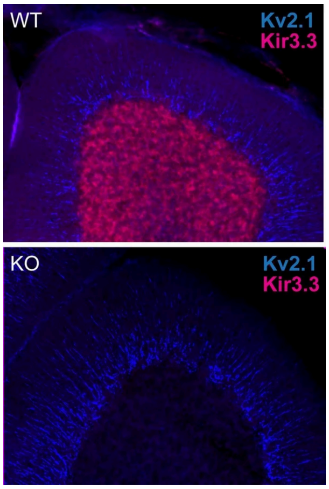
Available Variants	100 µL (SKU:75-445)
Conjugate	Unconjugated
Isotype	IgG2a
Clone	N455/15
Gene Name	Kcnj9 Girk3
Host Species	Mouse
Concentration	1 mg/mL
Format	Purified by Protein A chromatography
Physical State	Liquid
Buffer	10 mM Tris, 50 mM Sodium Chloride, 0.065% Sodium Azide pH 7.125
Production Notes	Produced by in vitro bioreactor culture of hybridoma line followed by Protein A affinity chromatography. Purified mAbs are >90% specific antibody.
Applications	ELISA, ICC, IHC, WB
Species Reactivity	Human, Mouse, Rat
Immunogen	Fusion protein amino acids 1-21 and 341-393 (fusion of cytoplasmic N- and C-termini) of mouse Kir3.3 (accession number P48543) produced recombinantly in E. Coli
Specificity	No cross-reactivity reported
Molecular Weight	40 kDa
Quality Control	Each new lot of antibody is quality control tested by western blot on rat whole brain lysate and confirmed to stain the expected molecular weight band.
Storage	Aliquot and store at ≤ -20°C for long term storage. For short term storage, store at 2-8°C. For maximum recovery of product, centrifuge the vial prior to

	removing the cap.
Antibody Registry ID	AB_2686912
UniProt ID	P48543 UniProt Summary: Inward rectifier potassium channels are characterized by a greater tendency to allow potassium to flow into the cell rather than out of it. Their voltage dependence is regulated by the concentration of extracellular potassium; as external potassium is raised, the voltage range of the channel opening shifts to more positive voltages. The inward rectification is mainly due to the blockage of outward current by internal magnesium. This receptor is controlled by G proteins. Unable to produce channel activity when expressed alone. Forms a functional channel in association with KCNJ3/GIRK1.
Country of Origin	United States
Shipping	Shipped on ice packs
Expiration	24 months from date of receipt
Usage Statement	These antibodies are to be used as research laboratory reagents and are not for use as diagnostic or therapeutic reagents in humans.
NCBI Gene ID	16524

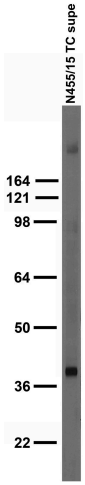
Product Images



Immunofluorescence staining of brain sections from adult Kir3.3 wild-type (WT) and knockout (KO) mouse cortex with N455/15 (Kir3.3, red) and K89/34 (Kv2.1, blue) TC supe. Tissue courtesy of Candice Contet (The Scripps Research Institute).



Immunofluorescence staining of brain sections from adult Kir3.3 wild-type (WT) and knockout (KO) mouse cerebellum with N455/15 (Kir3.3, red) and K89/34 (Kv2.1, blue) TC supe. Tissue courtesy of Candice Contet (The Scripps Research Institute).



Adult rat brain membrane immunoblot.