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PRODUCT DATASHEET

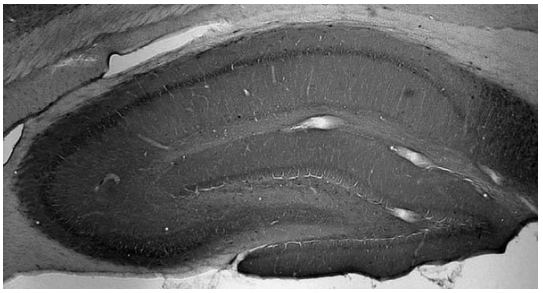
Anti-Kir2.1 K+ Channel Antibody

Product Details

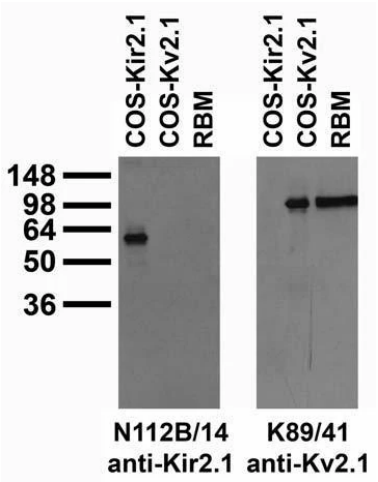
Available Variants	100 µL (SKU:75-210)
Conjugate	Unconjugated
Isotype	IgG1
Clone	N112B/14
Gene Name	Kcnj2 Irk1
Host Species	Mouse
Concentration	1 mg/mL
Format	Purified by Protein A chromatography
Physical State	Liquid
Buffer	10 mM Tris, 50 mM Sodium Chloride, 0.065% Sodium Azide pH 7.125
Production Notes	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, Non-Human Primate, Rat
Immunogen	Synthetic peptide amino acids 390-411 (cytoplasmic C-terminus) of mouse Kir2.1 (accession number P35561)
Specificity	No cross-reactivity against Kir2.2 or Kir2.3
Molecular Weight	55 kDa
Quality Control	Each new lot of antibody is quality control tested on cells overexpressing target protein and confirmed to give the expected staining pattern.

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_11000720
UniProt ID	P35561
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.

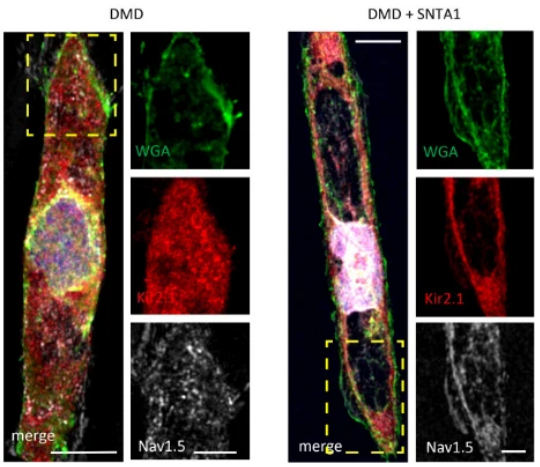
Product Images



Adult rat hippocampus immunohistochemistry.



Adult rat brain membrane (RBM) and transfected cell immunoblot: extracts of RBM and COS cells transiently transfected with HA-tagged Kir2.1 or untagged Kv2.1 plasmids and probed with N112B/14 (left) and K89/41 (right) TC supe.



Immunostaining for Kir2.1 (red), NaV1.5 (white), and wheat germ agglutinin (WGA; green) in control Male 1 iPSC-CM (left) and Male 1 iPSC-CM transfected with SNTA1. Nuclei were stained with DAPI. Yellow arrows point to iPSC-CM membrane staining. Image from publication CC-BY-4.0.
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