



### Anti-Kir3.3 potassium channel, NeuroMab clone N455/15

Available as TC supe (RRID: AB\_2619638) & Pure IgG (RRID:AB\_2686912)

#### Immunogen:

Fusion protein amino acids 1-21 and 341-393 (fusion of cytoplasmic N- and C-termini) of mouse Kir3.3 (also known as Inward rectifier K(+) channel Kir3.3, Potassium channel, inwardly rectifying subfamily J member 9, G protein-activated inward rectifier potassium channel 3, Kcnj9 and Girk3, accession number P48543)

Rat: 100% and 98% identity (21/21 and 52/53 amino acids identical)

Human: 95% and 92% identity (20/21 and 44/48 amino acids identical)

<50% identity with other Kir3 potassium channel subunits

#### Monoclonal antibody info:

Mouse strain: Balb/C

Myeloma cell: SP2/0

Mouse Ig Isotype: IgG2a

#### NeuroMab Applications:

Immunoblot, Immunocytochemistry and Immunohistochemistry

Species Reactivity: mouse, rat, human

MW: 40 kDa

Left: immunofluorescence staining of brain sections from adult Kir3.3 wild-type (WT) and knockout (KO) mouse cortex (left panels) and cerebellum

(right panels) with N455/15

(Kir3.3, red) and K89/34 (Kv2.1, blue) TC supe.

Tissue courtesy of Candice Contet (The Scripps Research Institute).

Right: adult rat brain membrane immunoblot

