



### Anti-GluN2C/NR2C, NeuroMab clone N422/18

Available as TC supe (RRID: AB\_2491108) & Pure IgG (RRID: AB\_2531892)

#### Immunogen:

Fusion protein amino acids 836-1233 (cytoplasmic C-terminus) of rat GluN2C (also known as Glutamate receptor ionotropic NMDA 2C, Glutamate [NMDA] receptor subunit epsilon-3, N-methyl D-aspartate receptor subtype 2C, NMDAR2C, NR2C and Grin2c, accession number Q00961)

Mouse: 93% identity (372/400 amino acids identical)

Human: 72% identity (293/405 amino acids identical)

<30% identity with GluN2D/NR2D and other GluN/NMDA receptors

#### Monoclonal antibody info:

Mouse strain: Balb/C

Myeloma cell: SP2/0

Mouse Ig Isotype: IgG1

#### NeuroMab Applications:

Immunoblot, Immunocytochemistry and Immunohistochemistry

Species Reactivity: rat, mouse, human

MW: 130-150 kDa

Top: immunoblot versus crude membrane fractions from GluN2C/NR2C knockout (KO) and wild-type (WT) mouse cerebella probed with N422/18 (top) and tubulin (bottom). Data courtesy of Bo-Shiun Chen (Augusta University) and reproduced with permission from Scientific Reports (2016 Chung et al, PMID 27845401).

Bottom: immunofluorescence staining of sections from adult GluN2C/NR2C wild-type

(WT) and knockout (KO) mouse cerebellum with N422/18 (GluN2C/NR2C, red) and L106/83 (Gephyrin, green) TC supe. Tissue courtesy of Sharon Swanger and Stephen Traynelis (Emory).

Right: adult rat brain membrane immunoblot

