



Anti-TrpM7 ion channel and Ser/Thr kinase, NeuroMab clone N74/25

Available as TC supe (RRID: AB_10671668) & Pure IgG (RRID: AB_2287844)

Immunogen:

Fusion protein amino acids 1817-1863 (cytoplasmic C-terminus) of mouse TrpM7 (also known as transient receptor potential cation channel subfamily M member 7, long transient receptor potential channel 7, LTrpC7, channel-kinase 1 and TRP-PLIK, accession number Q923J1)

Rat: 97% identity (46/47 amino acids identical)

Human: 93% identity (44/47 amino acids identical)

<30% identity with TrpM6

Monoclonal antibody info:

Mouse strain: Balb/C

Myeloma cell: SP2/0

Mouse Ig Isotype: IgG1

NeuroMab Applications:

Immunoblot and Immunocytochemistry

Not yet validated for use in mammalian brain

Species Reactivity: mouse, rat

No cross-reactivity with TrpM6

MW: 220 kDa (note that the 148 kDa band of SeeBlue Plus2 marker runs at ~180 kDa in our in-house gel system)

Immunoblot against adult rat brain membrane (RBM), rat liver membrane (RLM) and extracts of COS cells transiently transfected with TrpM6, TrpM7 or Kv2.1 plasmid probed with N74/25 (left) or a loading control (right) TC supe.

