



Anti-Slc18a2/VMAT2, NeuroMab clone N449/73

Available as TC supe (RRID: AB_2532092) & Pure IgG (RRID:AB_2686911)

Immunogen:

Fusion protein amino acids 42-132 (first luminal domain) of mouse Slc18a2 (also known as Synaptic vesicular amine transporter, Monoamine transporter, Solute carrier family 18 member 2, Vesicular amine transporter 2, VAT2, Svmt, Svat and Vmat2, accession number Q66L40)

Rat: 82% identity (75/92 amino acids identical)

Human: 73% identity (67/92 amino acids identical)

<30% identity with Slc18a1/VMAT1

Monoclonal antibody info:

Mouse strain: Balb/C

Myeloma cell: SP2/0

Mouse Ig Isotype: IgG2b

NeuroMab Applications:

Immunoblot and Immunocytochemistry

Species Reactivity: mouse, rat, human

Does not cross-react with Slc18a1/VMAT1 or Slc18a3/VACHT

MW: 60-70 kDa

Top: immunoblot against extracts of COS cells transiently transfected with Myc/Flag-tagged VMAT1, VMAT2, VACHT or Kv2.1 plasmid probed with N449/73 (left) or rabbit anti-Flag (right).

Bottom: immunoblot on crude membrane fractions from whole mouse (MBM) and rat (RBM) brain and from human hippocampus [HBM(H)], cerebral cortex [HBM(Cx)] and cerebellum [HBM(Cb)] probed with N449/73 (left) and N52A/42 (right) TC supe.

Right: adult rat brain membrane immunoblot

