



Anti-VDAC1, NeuroMab clone N152B/23

Available as TC supe (RRID: AB_10673517) & Pure IgG (RRID: AB_2214807)

Immunogen:

Fusion protein amino acids 1-283 (full-length) of human VDAC1 (also known as Voltage-dependent anion-selective channel protein 1, VDAC, VDAC5, Outer mitochondrial membrane protein porin 1, Plasmalemmal porin, Porin 31HL/M, accession number P21796)

Mouse: 98% identity (279/283 amino acids identical)

Rat: 98% identity (279/283 amino acids identical)

>60% identity with VDAC2 and VDAC3

Monoclonal antibody info:

Mouse strain: Balb/C

Myeloma cell: SP2/0

Mouse Ig Isotype: IgG2a

NeuroMab Applications:

Immunoblot, Immunocytochemistry,
Immunohistochemistry and Array Tomography

Species Reactivity: human, mouse, rat

Does not cross-react with VDAC2 or VDAC3 (based on KO validation results)

MW: 30 kDa

Immunoblot against membranes from livers of wild-type (WT) and VDAC1 knockout (KO) mice and brains of WT mice (MBM) and rat (RBM). Liver samples courtesy of Tatiana Sheiko and Bill Craigen (Baylor College of Medicine).

Adult rat hippocampus immunohistochemistry

Array tomography immunofluorescence of 70 nm sections of LRWhite-embedded adult mouse hippocampus. Two consecutive sections labeled with N152B/23 (bottom) and DAPI (top), where low level autofluorescence reveals mitochondria appearing as brighter elongated structures within darker apical dendrites (arrows). Images courtesy of Kristina Micheva (Stanford).

