Anti-NCKX4, NeuroMab clone N414/25

Available as TC supe (RRID: AB_2491078) & Pure IgG (RRID: AB_2491110)

Immunogen:
Fusion protein amino acids 246-424 (third intracellular loop) of human NCKX4 isoform 3
(also known as Sodium/potassium/calcium exchanger 4, Na(+)/K(+)/Ca(2+)-
exchanger protein 4, Solute carrier family 24 member 4 and SLC24A4, accession
number Q8NFF2-3)
Human: 90% identity with isoform 1 (179/198 amino acids identical)
Mouse: 89% identity with isoform 2 and 81% identity with isoform 1 (161/179 and
161/198 amino acids identical)
Rat: 81% identity (161/198 amino acids identical)<40% identity with other NCKX proteins

Monoclonal antibody info:
Mouse strain: Balb/C
Myeloma cell: SP2/0
Mouse Ig Isotype: IgG2b

NeuroMab Applications:
Immunoblot, Immunocytochemistry and
Immunohistochemistry

Species Reactivity: human, rat

Does not cross-react with NCKX2 or NCKX3

MW: 60 kDa

Top right: adult rat brain membrane immunoblot

Top left: immunoblot against extracts of COS cells transiently transfected with Flag-
tagged NCKX2, NCKX3 or NCKX4 plasmid and probed with N414/25 (left) or N52A/42
(right) TC supe.

Bottom right: adult rat hippocampus
immunohistochemistry

Bottom left: immunoblot
against membranes from wild-type (N4+/+) or NKX4
knockout (N4/-) mouse brains
probed with N414/25 TC supe.
Data courtesy of Sunita Sharma and Jonathan Lytton
(University of Calgary).