



### Anti-TrpV1, NeuroMab clone N221/12

Available as TC supe (RRID:AB\_10673516)

#### Immunogen:

Fusion protein amino acids 1-160 (cytoplasmic N-terminus) of rat TrpV1 (also known as Transient receptor potential cation channel subfamily V member 1, Osm-9-like TRP channel 1, OTRPC1, Capsaicin receptor, Vanilloid receptor 1, VR1, Vanilloid receptor type 1-like and Vr1l, accession number O35433)

Mouse: 85% identity (137/161 amino acids identical)

Human: 68% identity (110/161 amino acids identical)

<50% identity with TrpV4

#### 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

MW: 95 kDa

Top: transfected cell immunoblot: extracts of COS-1 cells transiently transfected with HA-tagged TrpV1 or untagged Kv2.1 plasmids and probed with N221/12 (left panel) or N52A/42 (right panel) TC supe.

Bottom left: adult rat spinal cord immunohistochemistry

Bottom right: immunofluorescence staining of adult dorsal root ganglion sections

from TrpV1 WT and KO  $-/-$  mice with N221/12 TC supe (red), Kv1.2 rabbit polyclonal (green) and Hoechst nuclear stain (blue). Images courtesy of Matthew Rasband (Baylor College of Medicine)

