



Anti-Homer1, NeuroMab clone L113/130

Available as TC supe (RRID:AB_2629419) & Pure IgG (RRID:AB_2686914)

Immunogen:

Fusion protein amino acids 121-363 (C-terminus) of mouse Homer1L (also known as Homer protein homolog 1, VASP/Ena-related gene up-regulated during seizure and LTP 1, Vesl-1, Vesl, SYN47 and PSD-Zip45, accession number Q9Z2Y3)

Rat: 97% identity (236/243 amino acids identical)

Human: 93% identity (226/243 amino acids identical)

<30% identity with Homer1S (100% identity between amino acids 121-175, shared sequence of MELTSTPSQESAGGDLQSPLTPESINGTDDERTPDVTQNSEPRAEPTQNALPFPH)

<40% identity with Homer2

Monoclonal antibody info Mouse strain: Balb/C

Myeloma cell: SP2/0

Mouse Ig Isotype: IgG1

NeuroMab Applications:

Immunoblot, Immunocytochemistry, Immunohistochemistry and Array Tomography

Species Reactivity: mouse, rat, human

Cross-reacts with Homer1S so should also react with other Homer1 isoforms

MW: 45-55 kDa

Top left: array tomography immunofluorescence of an LRWhite-embedded 70 nm section from adult mouse cortex layer 2/3 with L113/130 (green), rabbit mAb PSD-95 (Cell Signaling #3450, red) and DAPI (blue), where L113/130 colocalizes with many PSD-95 puncta. Image courtesy of Kristina Micheva (Stanford).

Right: adult rat brain membrane immunoblot

Bottom left: adult rat hippocampus immunohistochemistry

