



Anti-GluA1/GluR1 glutamate receptor, NeuroMab clone N355/1

Immunogen:

Fusion protein amino acids 1-389 (extracellular N-terminus) of rat GluA1/GluR1 (also known as Glutamate receptor 1, Ionotropic AMPA-selective glutamate receptor 1, GluR-A, GluR-K1, GLUH1 and Gria1, accession number P19490)

Mouse: 99% identity (388/389 amino acids identical)

Human: 97% identity (379/389 amino acids identical)

100% identity between Flip and Flop isoforms

>50% identity with GluA2/GluR2, GluA3/GluR3 and GluA4/GluR4

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

Does not cross-react with GluR2

MW: 100 kDa

Top left: immunofluorescence staining of 14 DIV cultured rat cortical neuron with N355/1. Image courtesy of Brad Elmer and Kim McAllister (UCD).

Top right: adult rat brain membrane immunoblot

Middle: transfected cell immunoblot: extracts of COS cells transiently transfected with untagged GluR1, GluR2 or Kv2.1 plasmid and probed with N355/1 (left), L21/32 (middle) or N52A/42 (right) TC supe.

Adult rat hippocampus immunohistochemistry

