

### Anti- mGluR1/5 (group I) glutamate receptor, NeuroMab clone N75/33

#### Immunogen:

Fusion protein amino acids 824-1203 (cytoplasmic C-terminus) of rat mGluR5b  
 (also known as metabotropic glutamate receptor 5, accession number P31424)  
 Mouse: 96% identity (368/388 amino acids identical)  
 Human: 87% identity (339/388 amino acids identical)  
 <35% identity with mGluR1

#### Monoclonal antibody info:

Mouse strain: Balb/C  
 Myeloma cell: SP2/0  
 Mouse Ig Isotype: IgG1

#### NeuroMab Applications:

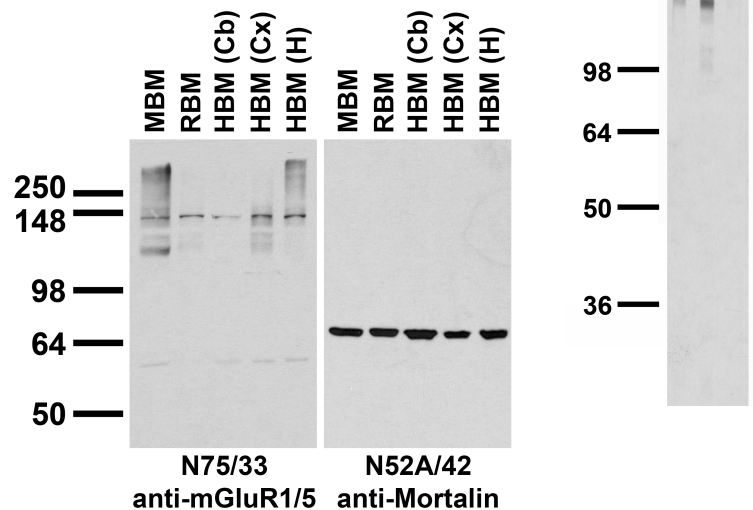
Immunoblotting, Immunohistochemistry and Immunoprecipitation

Species Reactivity: human, mouse, rat

Recognizes mGluR1 and mGluR5

MW: 130 kDa (both mGluR1 and mGluR5)

Top right: Adult rat brain membrane immunoblot.



Middle: Immunoblots on membranes prepared from whole mouse (MBM) and rat (RBM) brain, and from human cerebellum [HBM(Cb)], cerebral cortex [HBM(Cx)], and hippocampus [HBM(H)].

Bottom. Right: Adult rat hippocampus immunohistochemistry. Left: Electron micrograph shows N75/33 immunolabelling in the *stratum radiatum* of mouse hippocampal CA1 using a pre-embedding immunogold method. Immunogold particles were observed at postsynaptic sites (arrows) along the extrasynaptic plasma membrane of dendritic spines (s) and shafts (Den) of pyramidal cells establishing synaptic contacts with excitatory axon terminals (b). 80.000 X. Courtesy Dr. Rafael Luján (Universidad de Castilla-La Mancha).

