



**Anti-GABABR2 GABA-B receptor, NeuroMab clone N81/37**

Immunogen:

Fusion protein amino acids 862-913 (cytoplasmic C-terminus) of human GABABR2 (also known as Gamma-aminobutyric acid type B receptor subunit 2, GABA-B receptor 2, Gb2, G-protein coupled receptor 51 or GPR51, accession number O75899)

Mouse: 100% identity (52/52 amino acids identical)

Rat: 100% identity (52/52 amino acids identical)

<20% identity with GABABR1

Monoclonal antibody info:

Mouse strain: Balb/C

Myeloma cell: SP2/0

Mouse Ig Isotype: IgG1

NeuroMab Applications:

Immunoblotting, Immunohistochemistry and Immunogold EM

Species Reactivity: human, mouse, rat

Does not cross-react with GABABR1

MW: 105 kDa

Top left: immunoblot against membrane fractions from whole mouse (MBM) or rat (RBM) brain and from human hippocampus [HBM(H)], cerebral cortex [HBM(Cx)] or cerebellum [HBM(Cb)] and probed with N81/37 (left) or N52A/42 (right) TC supe.

Top right: adult rat brain membrane immunoblot

Middle left: immunoblot against brain membrane fractions from rat (RBM) and from GABABR2 knockout (KO) and wild-type (WT) mice probed with N81/37 (left) or N52A/42 (right) TC supe. Mouse brains courtesy of Joshua Walker and Stephen Moss (Tufts).

Middle: adult rat brain immunohistochemistry

Bottom: electron micrograph of N81/37 labelling in stratum radiatum of mouse hippocampal CA1 using a pre-embedding immunogold method. Immunoparticles are seen at postsynaptic sites (arrows) along the extrasynaptic plasma membrane of dendritic spines (s) and shafts of pyramidal cells forming synaptic contacts with excitatory axon terminals (b), and at presynaptic sites (arrowheads) in excitatory axon terminals (b). Image courtesy of Rafael Lujan (Universidad de Castilla-La Mancha).

