

## Product datasheet for 75-125

### GABA B Receptor 2 (GABBR2) Mouse Monoclonal Antibody [Clone ID: N81/37]

#### Product data:

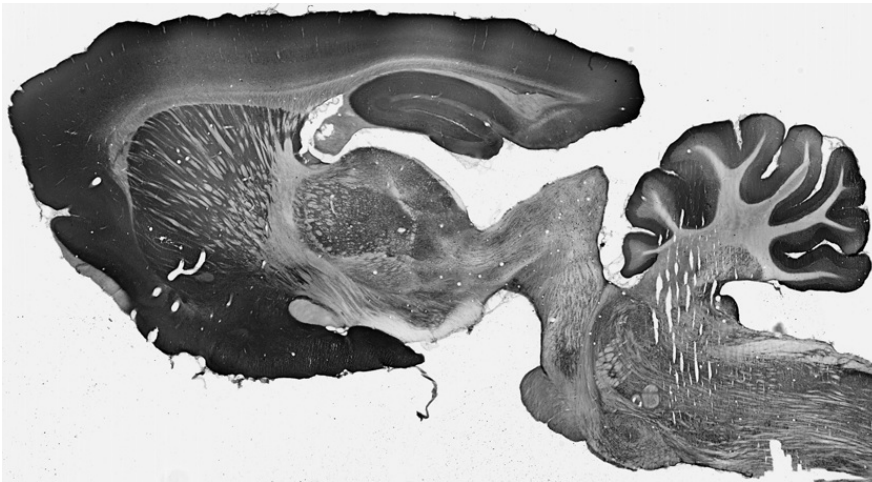
Product Type:	Primary Antibodies
Clone Name:	N81/37
Applications:	EM, IF, WB
Recommend Dilution:	Immunoblot (IB). Immunocytochemistry (ICC). Immunogold EM.
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Fusion protein amino acids 862-913 (cytoplasmic C-terminus) of human GABBR2 (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.
Specificity:	Does not cross-react with GABABR1
Formulation:	State: Purified
Gene Name:	gamma-aminobutyric acid type B receptor subunit 2
Database Link:	<a href="#">Entrez Gene 9568 Human</a>
Synonyms:	GABBR-2, GPR51, GPRC3B, GABA-B receptor 2, GABA-B-R2, Gb2, G-protein coupled receptor 51, HG20



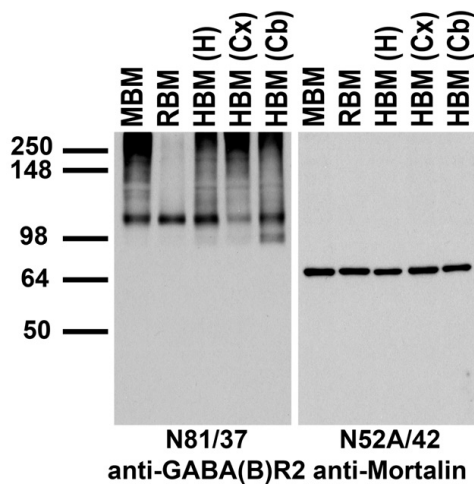
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**Note:** USERS will cite the UC Davis/NIH NeuroMab Facility in any publication(s) describing the research utilizing the MATERIALS. The suggested acknowledgment statement is as follows: "The monoclonal antibody \_ was developed by and/or obtained from the UC Davis/NIH NeuroMab Facility, supported by NIH grant U24NS050606 and maintained by the Department of Neurobiology, Physiology and Behavior, College of Biological Sciences, University of California, Davis, CA 95616." Also, please include the complete clone number (e.g., N52A/42) and the Antibody Registry identification number (e.g., RRID:AB\_2120479) to avoid ambiguity. [View Research License Agreement](#)

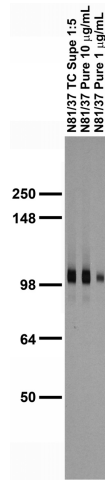
**Product images:**



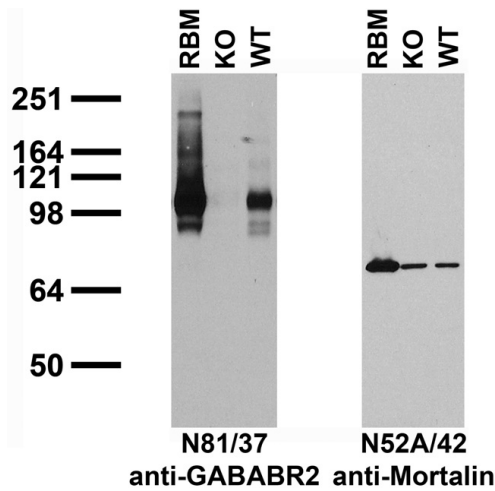
adult rat brain immunohistochemistry



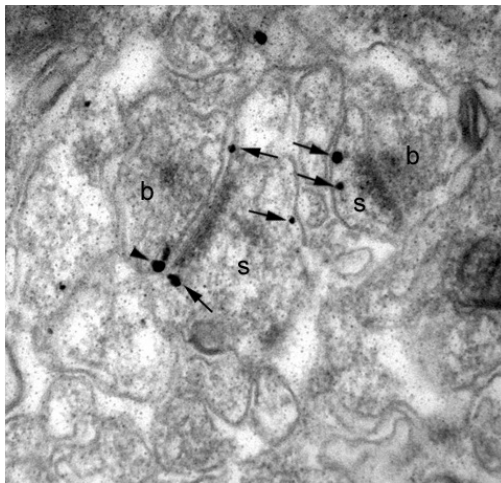
left: immunoblot against membrane fractions from whole mouse (MBM) or rat (RBM) brain and from human hippocampus [HBM(H)], cerebral cortex [HBM(Cx)] or cerebellum [HBM(Cb)] and probed with N81/37 (left) or N52A/42 (right) TC supe.



adult rat brain membrane immunoblot



immunoblot against brain membrane fractions from rat (RBM) and from GABBR2 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).



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).