98-

64 [.]

50-



Anti-GABA-A-R-Beta2/3, NeuroMab clone 62-3G1

Available as TC supe (RRID:AB 2315837) and Pure IgG (RRID:AB 2315838)

Immunogen:

Fraction of bovine brain GABA-A receptor affinity purified against immobilized benzodiazepine Ro7-1986/1 (1988 de Blas et al J Neurosci PMID 2828565, 1988 Vitorica et al J Neurosci PMID 2828566). Target initially identified as a GABA-A receptor by: - rat brain immunocytochemistry staining pattern via light microscopy identical to that seen via ligand autoradiography with ³H-muscimol

- immunoprecipitation of ³H-muscimol-binding activity of the purified receptor complex

- recognition of ~57 kDa protein in immunoblots against crude rat brain membrane fractions

Binding epitope identified to be within amino acids 26-40 (QSVNDPGNMSFVKET. 251extracellular N-terminus, 1992 Ewert et al Brain Res, PMID 1377081) of human GABA-A-R-Beta3 (also known as Gamma-aminobutyric acid receptor subunit beta-3, accession number P28472) 164-Mouse: 100% identity (15/15 amino acids identical) 121-Rat: 100% identity (15/15 amino acids identical) 86% identity (13/15 amino acids identical, QSVNDPSNMSLVKET) with GABA-A-R-Beta2 66% identity (10/15 amino acids identical, HSTNEPSNMSYVKET) with GABA-A-R-Beta1

Hybridoma kindly donated by Angel de Blas, University of Connecticut.

Monoclonal antibody info: Mouse strain: Balb/C Myeloma cell: P3X63Ag8.6.5.3 Mouse Ig Isotype: IgG1

NeuroMab Applications: Immunoblotting, Immunocytochemistry, Immunohistochemistry, Immunoprecipitation and Immunogold electron microscopy

Species Reactivity: human, mouse, rat, bovine, chicken

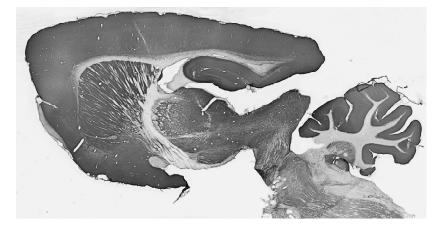
Cross-reacts with GABA-A-R-Beta2

Does not cross-react with GABA-A-R-Beta1

MW: 55 kDa

Adult rat brain membrane immunoblot

Adult rat whole brain immunohistochemistry



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