



### 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 <sup>3</sup>H-muscimol
- immunoprecipitation of <sup>3</sup>H-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, extracellular 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)

Mouse: 100% identity (15/15 amino acids identical)

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

