

## Anti-GABA(B)R2 [N81/2] Bulk Size Ab04355-10.0-BT

Variable region sequences were determined by Dr. James Trimmer at the University of California, Davis, as supported by National Institutes of Health BRAIN Initiative award U24 NS109113.

**Isotype and Format:** Human IgG1, Lambda

**Clone Number:** N81/2

**Alternative Name(s) of Target:** GABA-B receptor 2; GABA-B-R2; GABA-BR2; GABR2; Gb2; GABBR2; GPR51; GPRC3B; HG20; HRIHFB2099; Gamma-aminobutyric acid type B receptor subunit 2; G-protein coupled receptor 51; EIEE59; NDPLHS; DEE59; N81/2.2

**UniProt Accession Number of Target Protein:** O75899

**Published Application(s):** IB, ICC, PLA, WB, IHC

**Published Species Reactivity:** Rat, Human, Mouse

**Immunogen:** The original antibody was generated by immunizing Balb/c mice with fusion protein amino acids 862-913 (cytoplasmic C-terminus) of human GABABR2.

**Specificity:** This antibody is specific for human GABA<sub>B</sub>R2 and cross-reacts with mouse and rat GABABR2. It does not cross-react with GABABR1.

**Application Notes:** This antibody can be used for IB, ICC, and IHC (RRID: AB\_2877276). Independently, it was used for WB (Pacey et al., 2011; PMID: 21215802, 21636656) (Kang et al., 2017; PMID: 28213518) and bioorthogonal non-canonical amino acid tagging - proximity ligation assay (BONCAT-PLA) (Workman et al., 2015; PMID: 25560757).

**Antibody First Published in:** Pacey et al. Genetic deletion of regulator of G-protein signaling 4 (RGS4) rescues a subset of fragile X related phenotypes in the FMR1 knockout mouse. Mol Cell Neurosci. 2011 Mar;46(3):563-72. doi: 10.1016/j.mcn.2010.12.005. [PMID:21215802](#)

**Note on publication:** The original publication investigates the role of the regulator of G-protein signaling 4 (RGS4) in fragile X syndrome (FXS) by generating FXS/RGS4 double knockout mice.

## Product Form

**Size:** 1 mg Purified antibody in bulk size.

**Purification:** Protein A affinity purified

**Supplied In:** PBS only.

**Storage Recommendation:** Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer

storage, aliquot and store at -20°C.

**Concentration:** 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.