

Anti-GABA(B)R2 [N81/2] Standard Size Ab04355-23.0

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: Rabbit IgG, 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_BR2 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: 100 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. 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.