

Goat anti-GABRB3 Antibody

Item Number	dAP-1659
Target Molecule	Principle Name: GABRB3; Official Symbol: GABRB3; All Names and Symbols: GABRB3; gamma-aminobutyric acid (GABA) A receptor, beta 3; MGC9051; GABA(A) receptor beta-3 subunit; GABA-A receptor beta-3 subunit; GABA-alpha receptor beta-2 subunit; GABAA receptor beta-3 subunit; Accession Number (s): NP_000805.1; NP_068712.1; Human Gene ID(s): 2562; Non-Human GeneID(s): 14402 (mouse) 24922 (rat)
Immunogen	EKTAKAKNDRSK, is from internal region This antibody is expected to recognize both reported isoforms (NP_000805.1, NP_068712.1).
Applications	Pep ELISA, IHC Species Tested: Human
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 8000.
Western Blot	Western Blot: Preliminary experiments in Human Brain (Cerebral Cortex, Frontal Cortex and Cerebellum) lysates gave no specific signal but low background (at antibody concentration up to 1µg/ml). We would appreciate any feedback from people in the field -
IHC	Immunohistochemistry: In paraffin embedded Human Cortex shows patchy staining near or at the neuronal cell membrane.. Recommended concentration, 2-4µg/ml.

Reference Reference(s): Tanaka M, Olsen RW, Medina MT, Schwartz E, Alonso ME, Duron RM, Castro-Ortega R, Martinez-Juarez IE, Pascual-Castroviejo I, Machado-Salas J, Silva R, Bailey JN, Bai D, Ochoa A, Jara-Prado A, Pineda G, Macdonald RL, Delgado-Escueta AV. Hyperglycosylation and reduced GABA currents

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**