



Goat anti-GABRG2 Antibody

Item Number	dAP-3431
Target Molecule	Principle Name: GABRG2; Official Symbol: GABRG2; All Names and Symbols: GABRG2; gamma-aminobutyric acid (GABA) A receptor, gamma 2; CAE2; ECA2; GEFSP3; GABA(A) receptor subunit gamma-2; gamma-aminobutyric acid receptor subunit gamma-2; Accession Number (s): NP_944494.1; NP_000807.2; NP_944493.2; Human Gene ID(s): 2566; Non-Human GeneID(s): 14406 (mouse) 29709 (rat)
Immunogen	KSDDDYEDYASNK, is from N Terminus (mature) This antibody is expected to recognize all three reported isoforms (NP_944494.1; NP_000807.2; NP_944493.2).
Applications	Pep ELISA, WB Species Tested: Rat
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 64000.
Western Blot	Western Blot: Approx 55kDa band observed in Rat Brain lysates (calculated MW of 54.0kDa according to Rat NP_899156.1). Recommended concentration: 1-3µg/ml.
IHC	
Reference	Reference(s): O'Shea SM, Williams CA, Jenkins A, Inverse effects on gating and modulation caused by a mutation in the M2-M3 Linker of the GABA(A) receptor gamma subunit. Molecular pharmacology 2009 Sep 76 (3): 641-51..PMID: 19553237->

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**