

Goat anti-GABRG2 (aa384-396) Antibody

Item Number	dAP-3429
Target Molecule	Principle Name: GABRG2 (aa384-396); 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; GABA(A) receptor, 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	KAPTIDIRPRSAT, is from internal region 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: Human, Mouse, Rat, Pig
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 16000.
Western Blot	Western Blot: Approx 60kDa band observed in Human, Mouse, Rat and Pig Brain lysates (calculated MW of 59.3kDa according to Human NP_944493.2, 55.0kDa according to Mouse NP_032099.1, 54.0kDa according to Rat NP_899156.1 and 55.2kDa according to Pig XP_0
IHC	
Reference	Reference(s): Kang JQ, Shen W, Macdonald RL. Trafficking-deficient mutant GABRG2 subunit amount may modify epilepsy phenotype. Annals of neurology 2013 Oct 74 (4): 547-59. PMID: 23720301->

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 end users! This product is sold for **Research Use Only**