



Anti-GABRG2 (aa 400-410) polyclonal antibody (DPAB-DC1228)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes a gamma-aminobutyric acid (GABA) receptor. GABA is the major inhibitory neurotransmitter in the mammalian brain, where it acts at GABA-A receptors, which are ligand-gated chloride channels. GABA-A receptors are pentameric, consisting of proteins from several subunit classes: alpha, beta, gamma, delta and rho. Mutations in this gene have been associated with epilepsy and febrile seizures. Multiple transcript variants encoding different isoforms have been identified for this gene.
Specificity	This antibody is expected to recognize all reported isoforms: NP_944494.1; NP_000807.2; NP_944493.2. Note the aa numbers used in the name are from NP_944494.1.
Immunogen	A synthetic peptide corresponding to amino acids 400-410 at internal region of human GABRG2. The sequence is C-NNATHLQERDE
Source/Host	Goat
Species Reactivity	Mouse, Rat
Purification	Antigen affinity purification
Conjugate	Unconjugated
Applications	WB (Tissue lysate), ELISA,
Format	Liquid
Concentration	0.5 mg/mL
Size	100 µg
Buffer	In 0.5 mg/mL Tris saline, pH 7.3 (0.02% sodium azide, 0.5% BSA)

Preservative	0.02% Sodium Azide
Storage	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	GABRG2 gamma-aminobutyric acid (GABA) A receptor, gamma 2 [Homo sapiens (human)]
Official Symbol	GABRG2
Synonyms	GABRG2; gamma-aminobutyric acid (GABA) A receptor, gamma 2; CAE2; ECA2; GEFSP3; gamma-aminobutyric acid receptor subunit gamma-2; GABA(A) receptor, gamma 2; GABA(A) receptor subunit gamma-2;
Entrez Gene ID	2566
Protein Refseq	NP_000807
UniProt ID	P18507
Chromosome Location	5q34
Pathway	GABA A receptor activation; GABAergic synapse; Ion channel transport; Morphine addiction
Function	GABA-A receptor activity; benzodiazepine receptor activity; chloride channel activity; extracellular ligand-gated ion channel activity
