

Datasheet for ABIN7601647
anti-GABRG2 antibody (AA 40-446)



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Overview

Quantity:	100 µg
Target:	GABRG2
Binding Specificity:	AA 40-446
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GABRG2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-GABA A Receptor gamma 2/GABRG2 Antibody Picoband®
Immunogen:	E.coli-derived human GABA A Receptor gamma 2/GABRG2 recombinant protein (Position: Q40-R446).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-GABA A Receptor gamma 2/GABRG2 Antibody Picoband® (ABIN7601647). Tested in ELISA, Flow Cytometry, IHC, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	GABRG2
Alternative Name:	GABRG2 (GABRG2 Products)
Background:	Synonyms: Neuronal acetylcholine receptor subunit alpha-5,CHRNA5,NACHRA5, Background: Gamma-aminobutyric acid receptor subunit gamma-2 is a protein that in humans is encoded by the GABRG2 gene. 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.
Molecular Weight:	50 kDa
Gene ID:	2566
UniProt:	P18507

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Rat Immunohistochemistry (Paraffin-embedded Section), 2-5 µg/mL, Mouse Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Audenaert, D., Schwartz, E., Claeys, K. G., Claes, L., Deprez, L., Suls, A., Van Dyck, T., Lagae, L., Van Broeckhoven, C., Macdonald, R. L., De Jonghe, P. A novel GABRG2 mutation associated with febrile seizures. <i>Neurology</i> 67: 687-690, 2006. 2. Baulac, S., Huberfeld, G., Gourfinkel-An, I., Mitropoulou, G., Beranger, A., Prud'homme, J.-F., Baulac, M., Brice, A., Bruzzone, R., LeGuern, E. First genetic evidence of GABA(A) receptor dysfunction in epilepsy: a mutation in the gamma-2-subunit gene. <i>Nature Genet.</i> 28: 46-48, 2001. 3. Buckwalter, M. S., Lossie, A. C., Scarlett, L. M., Camper, S. A. Localization of the human chromosome 5q genes Gabra-1, Gabrg-2, I1-4, I1-5, and Irf-1 on mouse chromosome 11. <i>Mammalian Genome</i> 3: 604-607, 1992.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Handling

Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.01 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.