Datasheet for ABIN372637

anti-GABRB2 antibody (Cytoplasmic Loop)

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Overview

Quantity:	0.1 mL
Target:	GABRB2
Binding Specificity:	Cytoplasmic Loop
Reactivity:	Human, Rat, Mouse, Dog, Non-Human Primate
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GABRB2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Fusion protein from the cytoplasmic loop of the Beta-2 subunit of Rat GABAA Receptor.
Isotype:	IgG
Specificity:	Specific for the ~55k Beta-2 subunit of the GABAA Receptor in Western blots.
Cross-Reactivity (Details):	Species reactivity (expected):Human, Canine, Chicken, Mouse and non-Human Primates. Species reactivity (tested):Rat.
Purification:	Affinity Chromatography.

Target Details

Target:	GABRB2
Alternative Name:	GABRB2 (GABRB2 Products)

Target Details

Background:	Gamma-aminobutyric acid (GABA) is the primary inhibitory neurotransmitter in the central nervous system. There are two major classes of GABA receptors: the GABAA and the GABAB subtype of receptors. GABAA-Rs are important therapeutic targets for a range of sedative, anxiolytic, and hypnotic agents and are implicated in several diseases including epilepsy, anxiety, depression, and sub-stance abuse. The GABAA-R is a multimeric subunit complex. To date six Alpha's, four Beta's and four Gamma's, plus alternative splicing variants of some of these subunits, have been identified (Olsen and Tobin, 1990, Whiting et al., 1999, Ogris et al., 2004). Injection in oocytes or mammalian cell lines of cRNA coding for Alpha- and beta-subunits results in the expression of functional GABAA-Rs sensitive to GABA. However, coexpression of a Gamma-subunit is required for benzodiazepine modulation. The various effects of the benzodiazepines in brain may also be mediated via different Alpha-subunits of the receptor (McKernan et al., 2000, Mehta and Ticku, 1998, Ogris et al., 2004, Pöltl et al., 2003).Synonyms: GABA A receptor subunit beta-2, GABRB-2, Gamma-aminobutyric acid receptor subunit beta-2
Gene ID:	25451
NCBI Accession:	NP_037089
UniProt:	P63138
Pathways:	Sensory Perception of Sound, Synaptic Membrane

Application Details

Application Notes:	Western Blot: 1/1000. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	10 mM HEPES (pH 7.5), 150 mM NaCl, 100 µg/mL BSA and 50 % Glycerol.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store the antibody undiluted (in aliquots) at-20 °C.

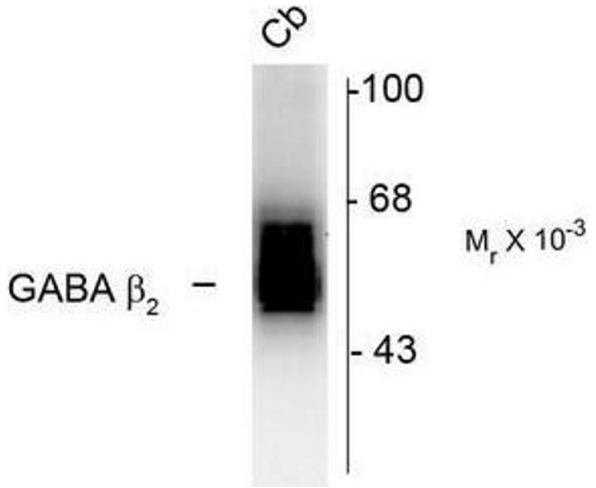

Image 1.