



GABAA R β 1 Monoclonal Antibody

Catalog No	YP-mAb-16417
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	GABRB1
Immunogen	The antiserum was produced against synthesized peptide derived from human GABA-RB. AA range:401-450
Specificity	GABAA R β 1 Monoclonal Antibody detects endogenous levels of GABAA R β 1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	ECA5;GABA alpha receptor beta-2 subunit;GABA(A) receptor subunit beta-3; GABAA receptor beta 3 subunit;GABAA receptor subunit beta 3;GABR B3; Gabrb3;Gamma aminobutyric acid (GABA) A receptor beta 3;Gamma aminobutyric acid receptor subunit beta 3;Gamma-aminobutyric acid receptor subunit beta-3;GBRB3_HUMAN;MGC951;GABAA R β 1;GABRB1;Gamma-aminobutyric acid receptor subunit beta-1;GABA(A) receptor subunit beta-1
Observed Band	55kD
Calculated Molecular Weight	55kD
Cell Pathway	Cell junction, synapse, postsynaptic cell membrane ; Multi-pass membrane protein . Cell membrane ; Multi-pass membrane protein .
Tissue Specificity	Brain,Epithelium,
Function	function:GABA, the major inhibitory neurotransmitter in the vertebrate brain, mediates neuronal inhibition by binding to the GABA/benzodiazepine receptor and opening an integral chloride channel.,online information:Forbidden fruit - Issue 56 of March 2005,similarity:Belongs to the ligand-gated ionic channel (TC 1.A.9) family.,subunit:Binds UBQLN1 (By similarity). Generally pentameric.



There are five types of GABA(A) receptor chains: alpha, beta, gamma, delta, and rho.,

Background

The gamma-aminobutyric acid (GABA) A receptor is a multisubunit chloride channel that mediates the fastest inhibitory synaptic transmission in the central nervous system. This gene encodes GABA A receptor, beta 1 subunit. It is mapped to chromosome 4p12 in a cluster comprised of genes encoding alpha 4, alpha 2 and gamma 1 subunits of the GABA A receptor. Alteration of this gene is implicated in the pathogenetics of schizophrenia. [provided by RefSeq, Jul 2008],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images