



GABA A Receptor beta 3/GABRB3 mouse mAb

Catalog No	YP-mAb-18117
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	GABRB3
Immunogen	Synthesized peptide derived from human GABA A Receptor beta 3/GABRB3
Specificity	This antibody detects endogenous levels of GABA A Receptor beta 3/GABRB3 at Human, Mouse,Rat
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;Gamma-aminobutyric acid receptor subunit beta-3 (GABA $\bar{A}$) receptor subunit beta-3)
Observed Band	52kD
Calculated Molecular Weight	54kDa; 54kD(Calculated).
Cell Pathway	Cell junction, synapse, postsynaptic cell membrane; Multi-pass membrane protein . Cell membrane ; Multi-pass membrane protein . Cytoplasmic vesicle membrane .
Tissue Specificity	
Function	Ligand-gated chloride channel which is a component of the heteropentameric receptor for GABA, the major inhibitory neurotransmitter in the brain . Plays an important role in the formation of functional inhibitory GABAergic synapses in addition to mediating synaptic inhibition as a GABA-gated ion channel . The gamma2 subunit is necessary but not sufficient for a rapid formation of active



synaptic contacts and the synaptogenic effect of this subunit is influenced by the type of alpha and beta subunits present in the receptor pentamer (By similarity). The alpha1/beta3/gamma2 receptor exhibits synaptogenic activity . The alpha2/beta3/gamma2 receptor shows very little or no synaptogenic activity (By similarity). Functions also as histamine receptor and mediates cellular responses to histamine . Plays an important role in somatosensation and in the production of antinociception (By similarity)

Background

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