

Rabbit Polyclonal anti-GABA A RECEPTOR

Alternate names:	MORT1, MORT-1, FAS-associated death domain protein, FAS-associating death domain-containing protein, Mediator of receptor induced toxicity
Catalog No.:	MC513
Quantity:	0.1 mg
Background:	Gamma-aminobutyric acid (GABA) is a major inhibitory neurotransmitter. GABA acts at inhibitory synapses in the brain and spinal cord. Inhibition is provoked by GABA binding resulting in hyperpolarization of the synaptic transmembrane potential of the affected neuron. GABA binding causes ion channels to open allowing either the flow of chloride or potassium ions into or out of the cell.
Host / Isotype:	Rat / IgG1
Clone:	12E7
Immunogen:	Keyhole limpet haemocyanin conjugated synthetic peptide corresponding to the N-terminal region of rat GABAA receptor Alpha-1 subunit.
Format:	Purification: IgG purified Buffer System: 0.09% Sodium Azide
Applications:	Western Blot, Western Blot detects a band of approximately 51kDa in rat brain membrane fractions., Western Blot 1:1000 Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	, NB100-66172 recognizes an epitope within the N-terminal region (NT) of the alpha 1 subunit of rat gamma-aminobutyric acid (A) (GABAA) receptor. GABAA receptors are GABA gated chloride channels, which are important mediators of neuronal inhibition in the mammalian central nervous system. Activation of the GABAA site results in increased intracellular chloride concentration and hyperpolarization of the cell. GABAA receptors are pentameric structures assembled from a family of distinct subunits. At least fourteen distinct subunits have been identified, which show distinct patterns of temporal and spatial expression. GABAA receptors may be modulated by several drug types including benzodiazepines and barbiturates, and by phosphorylation by protein kinase C (PKC) and protein kinase A (PKA). Species: Mouse, Rat Others not tested.
Storage:	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
General References:	
Recommended Isotype Controls:	SM25P, SM25PX

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