

GABAA R ϵ Polyclonal Antibody

Catalog No :	YT5068
Reactivity :	Human;Rat;Mouse;
Applications :	WB;ELISA
Target :	GABAA R ϵ
Fields :	>>Neuroactive ligand-receptor interaction;>>Retrograde endocannabinoid signaling;>>GABAergic synapse;>>Morphine addiction;>>Nicotine addiction
Gene Name :	GABRE
Protein Name :	Gamma-aminobutyric acid receptor subunit epsilon
Human Gene Id :	2564
Human Swiss Prot No :	P78334
Immunogen :	Synthesized peptide derived from the Internal region of human GABAA range: R ϵ .
Specificity :	GABAA R ϵ Polyclonal Antibody detects endogenous levels of GABAA R ϵ protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. ELISA: 1:20000. Not yet tested in other applications.
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 57kD

Cell Pathway : Neuroactive ligand-receptor interaction;

Background : The product of this gene belongs to the ligand-gated ionic channel (TC 1.A.9) family. It encodes the gamma-aminobutyric acid (GABA) A receptor which is a multisubunit chloride channel that mediates the fastest inhibitory synaptic transmission in the central nervous system. This gene encodes an epsilon subunit. It is mapped to chromosome Xq28 in a cluster comprised of genes encoding alpha 3, beta 4 and theta subunits of the same receptor. Alternatively spliced transcript variants have been identified, but only one is thought to encode a protein. [provided by RefSeq, Oct 2008],

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.,similarity:Belongs to the ligand-gated ionic channel (TC 1.A.9) family.,subunit:Generally pentameric. Associates with alpha and beta subunits.,tissue specificity:Expressed in many tissues. Highest levels of expression in adult heart and placenta.,

Subcellular Location : Cell junction, synapse, postsynaptic cell membrane; Multi-pass membrane protein. Cell membrane; Multi-pass membrane protein.

Expression : Expressed in many tissues. Highest levels of expression in adult heart and placenta.

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