

## GABAA R $\epsilon$ Polyclonal Antibody

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

## Products Images

