

**GABAA R $\beta$ 1 (phospho Ser434) rabbit pAb****Cat#: orb764327 (Manual)**

For research use only. Not intended for diagnostic use.

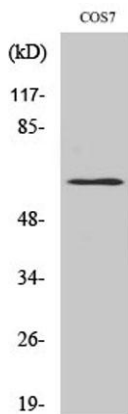
<b>Product Name</b>	GABAA R $\beta$ 1 (phospho Ser434) rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse;Rat;Monkey
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human GABA-RB around the phosphorylation site of Ser434. AA range:401-450
<b>Specificity</b>	Phospho-GABAA R $\beta$ 1 (S434) Polyclonal Antibody detects endogenous levels of GABAA R $\beta$ 1 protein only when phosphorylated at S434.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Gamma-aminobutyric acid receptor subunit beta-1
<b>Gene Name</b>	GABRB1
<b>Cellular localization</b>	Cell junction, synapse, postsynaptic cell membrane ; Multi-pass membrane protein . Cell membrane ; Multi-pass membrane protein .
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal

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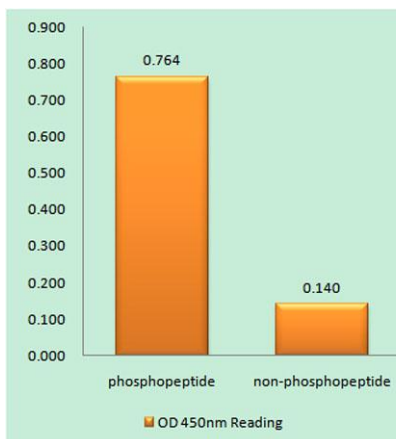
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	55kD
<b>Human Gene ID</b>	2560
<b>Human Swiss-Prot Number</b>	P18505
<b>Alternative Names</b>	GABRB1; Gamma-aminobutyric acid receptor subunit beta-1; GABA(A) receptor subunit beta-1

**Background**

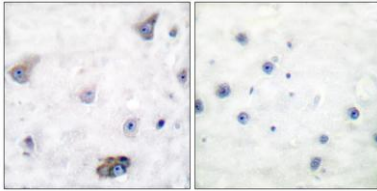
The gamma-aminobutyric acid (GABA) A receptor is a multisubunit chloride channel that mediates the fastest inhibitory synaptic transmission in the central nervous system. This gene encodes GABA A receptor, beta 1 subunit. It is mapped to chromosome 4p12 in a cluster comprised of genes encoding alpha 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],



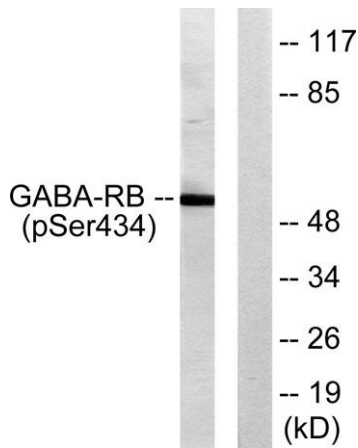
**Western Blot analysis of various cells using Phospho-GABAA Rβ1 (S434) Polyclonal Antibody**



**Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using GABA-RB (Phospho-Ser434) Antibody**



Immunohistochemistry analysis of paraffin-embedded human brain, using GABA-RB (Phospho-Ser434) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from COS7 cells, using GABA-RB (Phospho-Ser434) Antibody. The lane on the right is blocked with the phospho peptide.