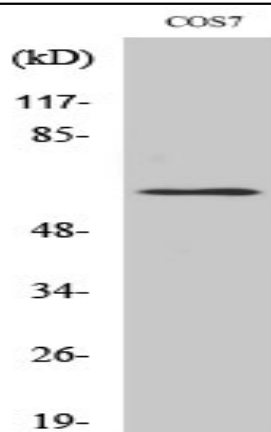


**GABAA R $\beta$ 1 (phospho Ser434) Polyclonal Antibody**

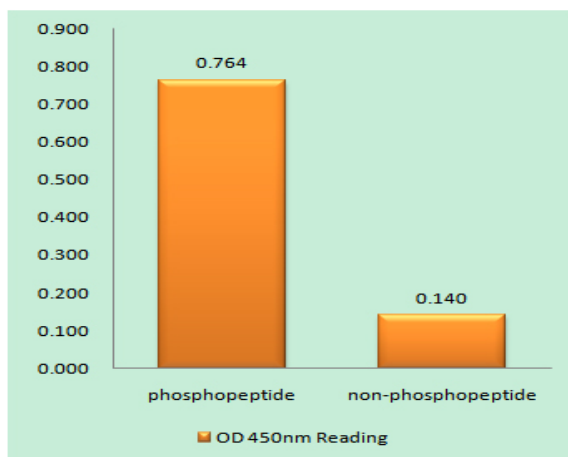
|                              |   |
|------------------------------|---|
| <b>Catalog No :</b>          | YP0576  |
| <b>Reactivity :</b>          | Human;Mouse;Rat;Monkey  |
| <b>Applications :</b>        | WB;IHC;IF;ELISA   |
| <b>Target :</b>              | GABAA R $\beta$ 1   |
| <b>Fields :</b>              | >>Neuroactive ligand-receptor interaction;>>Retrograde endocannabinoid signaling;>>Serotonergic synapse;>>GABAergic synapse;>>Morphine addiction;>>Nicotine addiction |
| <b>Gene Name :</b>           | GABRB1  |
| <b>Protein Name :</b>        | Gamma-aminobutyric acid receptor subunit beta-1   |
| <b>Human Gene Id :</b>       | 2560  |
| <b>Human Swiss Prot No :</b> | P18505  |
| <b>Mouse Gene Id :</b>       | 14400   |
| <b>Mouse Swiss Prot No :</b> | P50571  |
| <b>Rat Gene Id :</b>         | 25450   |
| <b>Rat Swiss Prot No :</b>   | P15431  |
| <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>Source :</b>              | Polyclonal, Rabbit,IgG  |

|                               |   |
|-------------------------------|---|
| <b>Dilution :</b>             | WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:40000.. IF 1:50-200  |
| <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)  |
| <b>Observed Band :</b>        | 55kD  |
| <b>Cell Pathway :</b>         | Neuroactive ligand-receptor interaction;  |
| <b>Background :</b>           | 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],         |
| <b>Function :</b>             | 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.,online information:Forbidden fruit - Issue 56 of March 2005,similarity:Belongs to the ligand-gated ionic channel (TC 1.A.9) family.,subunit:Binds UBQLN1 (By similarity). Generally pentameric. There are five types of GABA(A) receptor chains: alpha, beta, gamma, delta, and rho., |
| <b>Subcellular Location :</b> | Cell junction, synapse, postsynaptic cell membrane ; Multi-pass membrane protein . Cell membrane ; Multi-pass membrane protein .  |
| <b>Expression :</b>           | Brain,Epithelium,   |

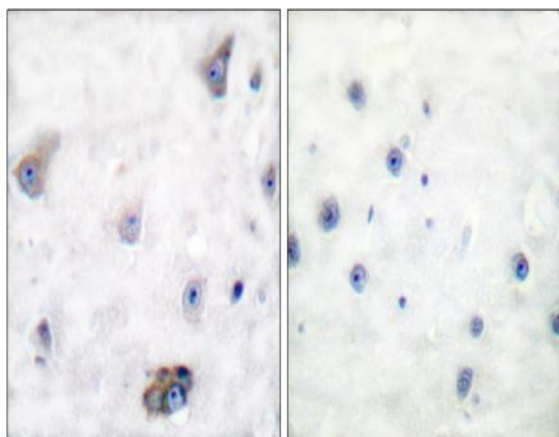
## Products Images



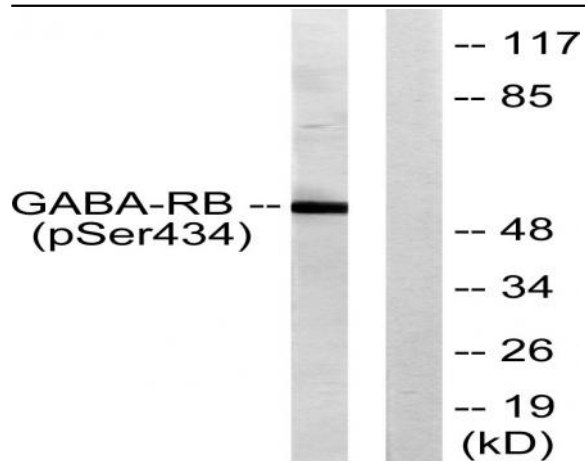
Western Blot analysis of various cells using Phospho-GABAA R $\beta$ 1 (S434) Polyclonal Antibody



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.